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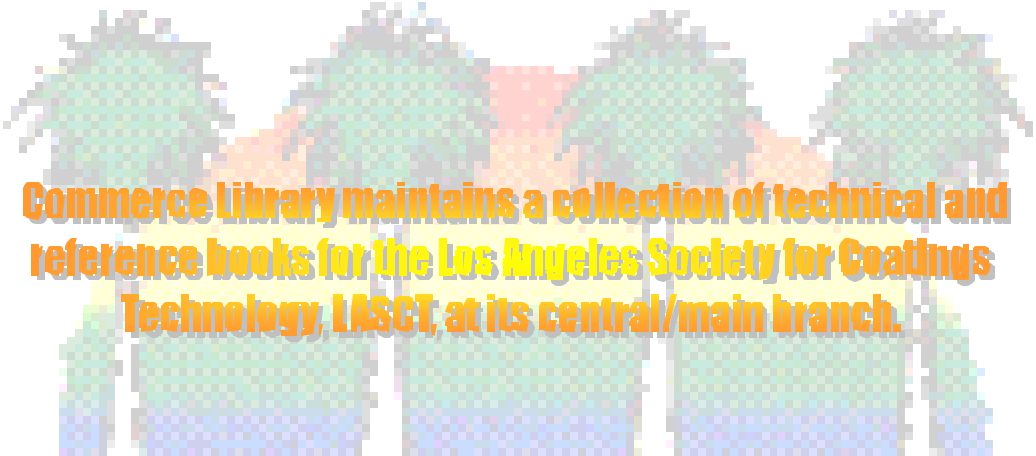

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Contact, Adhesion, and Rupture of Elastic Solids	Daniel Maugis	Springer	2000		3540661131				430 p, 6.1 x 9.3 Hardcover
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Experimental Methods in the Physical Sciences [Vol. 38: Advances in Surface Science]	Hari Singh Nalwa, ed.	Academic Press	2001		124759858				468 p, 6 x 9 Hardcover

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Experimental Strategies for Polymer Scientists and Plastics Engineers	Richard C. Neuman	Hanser Gardner	1997		1569902240				168 p, 6 x 9 Hardcover
Extrusion Coating Manual, 4th Ed.	Thomas Bezigian, ed.	TAPPI Press	1999		898520673				331 p, 8.5 x 11 Hardcover
Fatigue and Tribological Properties of Plastics and Elastomers	Plastics Design Library Staf	Plastics Design Library	1995		1884207154				537 p, 8.5 x 11 Hardcover
Filing Patents Online: A Professional Guide	Sarfaraz K. Niazi	CRC Press	2003		849316243				450 p, 6 x 9.2 Paperback
Fillers and Filled Polymers (Macromolecular Symposia 169)	Jean-Francois Gerard, ed.	Wiley - VCH	2001		3527303316				348 p, 6 x 9 Hardcover
Film Extrusion Manual: Process, Materials, Properties	Thomas I. Butler and Earl W. Veazey, eds.	TAPPI Press	1992		898522501				791 p, 8.5 x 11 Paperback
Film Processing	Toshitaka Kanai and Gregory A. Campbell, eds.	Hanser Gardner	1999		1569902526				400 p, 6.5 x 9.5 Hardcover
Fire and Explosion Hazards Handbook of Industrial Chemicals	Tatyana A. Davletshina and Nicholas P. Cheremisinoff	Noyes Publications	1998		815514298				494 p, 7 x 10 Hardcover
First International Congress on Adhesion Science and Technology: Festschrift in Honor of Dr. K.L. Mittal on the Occasion of his 50th Birthday	W.J. van Ooji and H.R. Anderson, Jr., eds.	VSP	1998		9067642916				948 p, 6.2 x 9.4 Hardcover
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Review Report 122)									
Flexo Folder-Gluer/Rotary Diecutter Problem Identification Guid	Russell L. Smith	Jelmar Publishing	1998		1885067143				72 p, 8.5 x 11 Paperback
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Flexography: Principles & Practices, 5th Ed.		FTA	2000						920 p, 8 x 10.5 Paperback
Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)	David G. Castner and David W. Grainger, eds.	American Chemical Soci	2001		841236232				256 p, 6 x 9 Hardcover
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Frontiers in Biomedical Polymer Applications, Vol. 1	Raphael M. Ottenbrite, ed.	Technomic	1998		1566765773				331 p, 6 x 9 Hardcover
Functional Index Series: Index of Anti-Microbials		Gower	1996		0566078163				468 pages.
Functional Index Series: Index of Flame Retardants		Gower	1997		0566078856				305 pages.
Functional Index Series: Index of Solvents		Gower	1996		0566078848				589 pages, hard bound
Functionalization of Polyolefins	T.C. Mike Chung	Academic Press	2002		121746518				288 p, 6 x 9 Hardcover
Fundamentals of Adhesion	Lieng-Huang Lee, ed.	Plenum Press	1991		306434709				472 p, 6.5 x 9.7 Hardcover
Fundamentals of Adhesion and Interfaces	D.S. Rimai, L.P. DeMejo, and K.L. Mittal, eds.	VSP	1995		9067641979				304 p, 6.2 x 9.4 Hardcover
Fundamentals of Interface and Colloid Science [Vol 3: Liquid - Fluid Interfaces]	Hans Lyklema, ed.	Academic Press	2000		124605230				790 p, 6.5 x 9.5 Hardcover
Fundamentals of Interfacial Engineering	Robert J. Stokes and D. Fennell Evans	Wiley - VCH	1997		471186473				729 p, 7 x 10 Hardcover
Fundamentals of Polymer Science: An Introductory Text, 2nd E	P.C. Painter and M.M. Coleman	Technomic	1997		1566765595				492 p, Hardcover
Gardner's Chemical Synonyms and Trade Names		Gower	1999		0566081903				1418 pages, hardbound
GATF Encyclopedia of Graphic Communications	Frank J. Romano and Richard M. Romano, eds.	GATF	1998		883621908				985 p, 8.5 x 11 Hardcover
GATF Practical Guide to Color Management, 2nd Ed.	Richard M. Adams II and Joshua B. Weisberg	GATF	2000		883622483				250 p, 7.5 x 10 Hardcover
Glossary of Plastics Terminology in Five Languages, 5th Ed.	Wolfgang Glenz, ed.	Hanser Gardner	2001		156990328				390 p, 4.6 x 7.5 Paperback
Green Solvents for Chemistry: Perspectives and Practice	William M. Nelson	Oxford University Press	2003		195157362				400 p, 6 x 9.2 Hardcover
Guide to Materials Characterization and Chemical Analysis, 2n Ed.	John P. Sibilia, ed.	Wiley - VCH	1996		471186333				400 p, 6 x 9 Hardcover
Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.		Wiley - Interscience	2001		471254479				650 p, 6 x 9.2 Hardcover
Guidelines for Laboratory Quality Auditing	Donald C. Singer and Ronald P. Upton	Marcel Dekker	1993		824787846				421 p, 6 x 9 Hardcover
Handbook for Critical Cleaning	Barbara Kanegsberg and Edward Kanegsberg, eds.	CRC Press	2001		849316553				680 p, 7 x 10 Hardcover
Handbook of Adhesive Technology, 2nd Ed.	A. Pizzi and K.L. Mittal, ed	Marcel Dekker	2003		824709861				1036 p, 7 x 10 Hardcover

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Handbook of Adhesives and Sealants	Edward M. Petrie	McGraw-Hill	2000		70498881				902 p, 6 x 9 Hardcover
Handbook of Adhesives and Sealants in Construction	Joseph S. Amstock	McGraw-Hill	2001		7001616				656 p, 6 x 9 Hardcover
Handbook of Analytical Techniques, Vols. 1 & 2	Helmut Gunzler and Alex Williams, eds.	Wiley - VCH	2001		3527301658				1198 p, 6.5 x 9.5 Hardcover
Handbook of Applied Polymer Processing Technology	Nicholas P. Cheremisinoff and Paul N. Cheremisinoff	Marcel Dekker	1996		0824796799				802 p., 6 x 9 Hardcover
Handbook of Applied Surface and Colloid Chemistry, Vols. 1 ar 2	Krister Holmberg, ed.	John Wiley & Sons	2002		471490830				1110 p, 7.4 x 9.7 Hardcover
Handbook of Aqueous Solubility Data	Samuel H. Yalkowsky and Yan He	CRC Press	2003		849315328				1512 p, 7 x 10 Hardcover
Handbook of Chemical Health and Safety	Robert J. Alaimo, ed.	American Chemical Soci	2001		841236704				672 p, 8.5 x 11 Hardcover
Handbook of Chemical Vapor Deposition: Principles, Technolo and Applications, 2nd Ed.	Hugh O. Pierson	Noyes Publications	1999		815514328				436 p, 6 x 9 Hardcover
Handbook of Deposition Technologies for Films and Coatings: Science, Technology and Applications, 2nd Ed.	Rointan F. Bunshah, ed.	Noyes Publications	1994		815513372				888 p, 6 x 9 Hardcover
Handbook of Experimental Methods for Process Improvement	David C. Drain	Chapman & Hall	1997		412127016				448 p, 6 x 9 Hardcover
Handbook of Fiber Chemistry, 2nd Ed.	Menachem Lewin and Eli M. Pearce, eds.	Marcel Dekker	1998		824794710				1105 p, 6 x 9 Hardcover
Handbook of Fiber Finish Technology	Philip E. Slade	Marcel Dekker	1998		824700481				534 p, 6 x 9 Hardcover
Handbook of Fillers, 2nd Ed.	George Wypych	ChemTec Publishing	1999		1884207693				910 p, 6.5 x 9.3 Hardcover
Handbook of Graphic Arts Equations	Manfred H. Breede	GATF	1999		883622467				248 p, 7.5 x 10 Paperback w
Handbook of IR Spectroscopy of Ultrathin Films		Wiley - Interscience	2003		47135404				736 p, 6.1 x 9.2 Hardcover
Handbook of Material Weathering, 3rd Ed.	George Wypych	ChemTec Publishing	2003		815514786				756 p, 6.4 x 9.2 Hardcover
Handbook of Microemulsion Science and Technology	Promod Kumar and K.L. Mittal, eds.	Marcel Dekker	1999		824719794				860 p, 7 x 10 Hardcover
Handbook of Physical Testing of Paper, 2nd Ed., Vol 1		Marcel Dekker	2001		824704983				1040 p, 7 x 10 Hardcover
Handbook of Physical Vapor Deposition (PVD) Processing: Filn Formation, Adhesion, Surface Preparation and Contamination Control	Donald H. Mattox	Noyes Publications	1998		815514220				948 p, 6 x 9 Hardcover
Handbook of Plasma Immersion Ion Implantation and Depositior	Andre Anders, ed.	John Wiley & Sons	2000		471246980				760 p, 6 x 9 Hardcover
Handbook of Plastic Films	Elsayed M. Abdel-Bary, ed	Rapra	2003		185957338				416 p, 7.3 x 10 Paperback
Handbook of Plastics Analysis	Hubert Lobo and Jose V. Bonilla, eds.	Marcel Dekker	2003		824707087				656 p, 6 x 9 Hardcover

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Handbook of Plastics Joining: A Practical Guide	Plastics Design Library Stal	Plastics Design Library	1997		1884207170				485 p, 8.5 x 11 Hardcover
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Handbook of Polycarbonate Science and Technology	Donald G. LeGrand and John T. Bendler, eds.	Marcel Dekker	2000		824799151				370 p, 6 x 9 Hardcover
Handbook of Polyethylene: Structures, Properties, and Applications	Andrew J. Peacock	Marcel Dekker	2000		824795466				542 p, 6 x 9 Hardcover
Handbook of Polymer Testing: Short-Term Mechanical Tests	Roger Brown, ed.	Rapra	2002		185957324				220 p, 7.3 x 9.8 Paperback
Handbook of Polymer-Liquid Interaction Parameters and Solubility Parameters	Allan F.M. Barton, ed.	CRC Press	1990		849335442				768 p, 7 x 10 Hardcover
Handbook of Polyolefins, 2nd Ed.	Cornelia Vasile, ed.	Marcel Dekker	2000		824786033				1030 p, 8.5 x 11 Hardcover
Handbook of Polypropylene and Polypropylene Composites, 2 Ed.	Harutun G. Karian, ed.	Marcel Dekker	2003		824740645				756 p, 6 x 9 Hardcover
Handbook of Polyvinyl Choloride Formulating	Edward J. Wickson, ed.	Wiley - Interscience	1993		471601829				947 p, 7 x 10 Hardcover
Handbook of Pressure Sensitive Adhesive Technology, 3rd Ed	Donatas Satas, ed.	Satas & Associates	1999		963799339				1038 p, 6 x 9 Hardcover
Handbook of Print Media: Technologies and Manufacturing Processes	Helmut Kipphan, ed.	Springer	2001		3540673261				1228 p, 7.5 x 9.5 Hardcover
Handbook of Printing Processes	Deborah L. Stevenson	GATF	1994		883621649				270 p, 5.5 x 8.5 Hardcover
Handbook of Pulping and Papermaking, 2nd Ed.	Christopher J. Biermann	Academic Press	1996		120973626				782 p, 7 x 10 Hardcover
Handbook of Radical Polymerization	Krzystof Matyjaszewski and Thomas P. Davis, eds	Wiley - Interscience	2002		47139274				930 p, 6 x 9 Paperback
Handbook of Raman Spectroscopy: From the Research Laboratory to the Process Line	Ian R. Lewis and Howell G.M. Edwards, eds.	Marcel Dekker	2001		824705572				1074 p, 7 x 10 Hardcover
Handbook of Rubber Bonding	Bryan Crowther, ed.	Rapra	2001		1859571670				396 p, 7.2 x 9.7 Hardcover
Handbook of Solubility Parameters and Other Cohesion Parameters, 2nd Ed.	Allan F.M. Barton, ed.	CRC Press	1991		849301769				766 p, 7 x 10 Hardcover
Handbook of Surface and Colloid Chemistry, 2nd Ed.	K.S. Birdi, ed.	CRC Press	2002		849310792				864 p, 7 x 10 Hardcover
Handbook of Surface and Interface Analysis: Methods for Problem-Solving	J.C. Riviere and S. Myhra eds.	Marcel Dekker	1998		824700805				995 p, 6 x 9 Hardcover
Handbook of Surfactant Analysis: Chemical, Physico-Chemica and Physical Methods	Dieter O. Hummel	John Wiley & Sons	2000		471720461				412 p, 7.5 x 9.5 Hardcover
Handbook of Thermal Analysis and Calorimetry [Vol. 3: Applications to Polymers and Plastics]	Stephen Z.D. Cheng, ed.	Elsevier	2003		444512861				858 p, 6.5 x 9.5 Hardcover
Handbook of Thermoplastic Polyesters	Stoyko Fakirov, ed.	John Wiley & Sons	2002		3527301135				1416 p., 6.6 x 9.4 Hardcover

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Handbook of Thermoplastics	Olagoke Olabisi, ed.	Marcel Dekker	1997		824797973				1072 p, 7 x 10 Hardcover
Handbook of Thermoset Plastics, 2nd Ed.	Sidney H. Goodman, ed.	Noyes Publications	1998		815514212				604 p, 6 x 9.3 Hardcover
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Handbook of Total Quality Management	Christian N. Madu, ed.	Kluwer Academic	1998		41275360				834 p, 6 x 9 Hardcover
Hawley's Condensed Chemical Dictionary, 14th Print Ed.	Richard S. Lewis, Sr.	John Wiley & Sons	2001		471387355				1240 p, 7 x 10 Hardcover
Heterogeneous Modification of Polymers: Matrix and Surface Reactions	Joseph Jagur-Grodzinski	John Wiley & Sons	1997		471942871				277 p, 6 x 9 CD-ROM
How to Assure Quality in Plastics	Merry Keating	Hanser Gardner	1995		1569901805				231 p, 6.2 x 9 Hardcover
How to Find Chemical Information: A Guide for Practicing Chemists, Educators, and Students, 3rd Ed.	Robert E. Maizell	John Wiley & Sons	1998		471125792				540 p, 6 x 9 Hardcover
How to Make Patent Drawings Yourself, 3rd Ed.	David Pressman and Jack Lo	Nolo Press	2001		873377885				258 p, 8.5 x 11 Paperback
HPLC of Polymers	Harald Pasch and Bernd Trathnigg	Springer	1999		3540655514				236 p, 6 x 9.5 Paperback
Hydrophilic Polymer Coatings for Medical Devices: Structure/Properties, Development, Manufacture and Applicatio	Richard J. LaPorte	Technomic	1997		1566765048				198 p, 6 x 9 Paperback
ICE '99 Annual Meeting Program Proceedings		FSCT	1999		0934010455				568 pages, soft cover.
ICE 2000 Annual Meeting Program Proceedings		FSCT	2000		0934010463				874 pages, soft cover.
ICE 2001 Annual Meeting Program Proceedings		FSCT	2001		0934010544				834 pages, soft cover.
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Identification and Control of Sheet and Film Processes		Springer	2000		1852333057				184 p, 6 x 9 Hardcover
Imaging and Image Analysis Applications for Plastics	Behnam Pourdeyhimi, ed.	Plastics Design Library	1999		1884207812				315 p., 7 x 8.5 Hardcover
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Implementing Six Sigma: Smarter Solutions Using Statistical Methods, 2nd Ed.	Forrest W. Breyfogle III	John Wiley & Sons	2003		471265721				1226 p, 6 x 9 Hardcover
Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of Corrugated Packaging	Russell L. Smith	Jelmar Publishing	1998		1885067135				485 p, 8.5 x 11 Paperback
In-Mould Decoration of Plastics (Rapra Review Report 146)	J.C. Love and V. Goodshi	Rapra	2002		1859573282				128 p, 8.5 x 11 Paperback
Indexing: A Nuts-and-Bolts Guide for Technical Writers	Kurt Ament	William Andrew	2001		815514816				108 p, 6.7 x 9 Paperback
Industrial Color Testing: Fundamentals and Techniques, 2nd E	Hans G. Volz	Wiley - VCH	2001		3527304363				390 p, 6.8 x 9.5 Hardcover
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Industrial Fire Safety Guidebook	Tatyana A. Davletshina	Noyes Publications	1998		815514204				540 p, 6 x 9 Hardcover
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Industrial Plastics: Theory and Applications, 4th Ed.	Erik Lokensgard	Delmar	2004		1401804691				546 p, 8.5 x 11 Paperback
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Industrial Solvents Handbook, 5th Ed.	Ernest W. Flick	Noyes Publications	1998		815514131				996 p, 8.5 x 11 Hardcover
Infrared and Raman Spectroscopy of Polymers (Rapra Review Report 134)	J.L. Koenig	Rapra	2001		1859572847				148 p, 8.3 x 11.5 Paperback
Ink Trapping and Colorimetric Variation	Anthony P. Stanton	GATF	2001		883623773				48 p, 8.5 x 11 Paperback
Interfacial Aspects Multicomponent Polymer Materials		Plenum Press	1997		306457180				309 p, 6.5 x 9.5 Hardcover
Interfacial Dynamics	Nikola Kallay, ed.	Marcel Dekker	2000		824700066				750 p, 7 x 10 Hardcover
Interfacial Electrochemistry: Theory, Experiment, and Applicati	Andrzej Wieckowski, ed.	Marcel Dekker	1999		82476000				992 p, 8.5 x 11 Hardcover
Interfacial Phenomena and Bioproducts	John L. Brash and Peter W. Wojciechowski, eds.	Marcel Dekker	1996		824796519				521 p, 6 x 9 Hardcover
Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)	Jane Frommer and Rene M. Overney, eds.	American Chemical Soci	2001		841236917				360 p, 6 x 9 Hardcover
Interfacial Supramolecular Assemblies	Johannes G. Vos, Robert J. Forster, and Tia E. Keye	John Wiley & Sons	2003		471490717				328 p, 7.4 x 9.7 Hardcover
Intermolecular & Surface Forces, 3rd Ed.	Jacob N. Israelachvili	Academic Press	2003		0123751829				600 p., 6 x 9 Hardcover
Introduction to Composite Materials, 2nd Ed.	D. Hull and T.W. Clyne	Cambridge University Pr	1996		521388554				342 p, 6 x 9 Paperback
Introduction to Composites, 4th Ed.	Tara E. Miller, ed.	Composites Institute	1998		1566766591				100 p, 6 x 9 Paperback
Introduction to Densitometry: A User's Guide to Print Production Measurement Using Densitometry, 2nd Ed.	Peter Brehm	Graphic Communication	1999		933505116				100 p, 7 x 10 Paperback
Introduction to Polymers and Resins, 2nd Edition		FSCT		2nd Editio	0934010285				60 pages, soft cover
Introduction to Quality Control Testing Video	Pacific Northwest Society for Coatings Technology	FSCT							VHS format
Introduction to Surface Analysis by XPS and AES	John F. Watts and John Wolstenholme	John Wiley & Sons	2003		470847131				224 p, 6 x 9 Paperback
Introduction to Thermal Analysis: Techniques and Applications, 2nd Ed.	Michael E. Brown	Kluwer Academic	2001		1402004729				276 p, 6.3 x 9.5 Paperback
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Inventor's Notebook, 3rd Ed.	Fred Grissom and David Pressman	Nolo Press	2000		873375998				224 p, 8.5 x 11 Paperback
Ionic Liquids in Synthesis	Peter Wasserscheid and Tom Welton, eds.	Wiley - VCH	2003		3527305157				380 p, 9.4 x 0 Hardcover
Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol. 359)	Judit E. Puskas, ed.	Kluwer Academic	1999		792358120				404 p, 6.3 x 9.5 Paperback
ISO 9000 Guidelines for the Chemical & Process Industries		ASQC	1996		0873893522				150 pages, soft cover.
ISO 9000 Implementation for Small Businesses		ASQC	1996		0873893506				209 pages, hardbound
Joining of Plastics: Handbook for Designers and Engineers, 2nd Ed.	Jordan Rotheiser	Hanser Gardner	2004		1569903549				6.5 x 9.5 Hardcover
Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique	Gary S. Coyne	Wiley - Interscience	1997		471184225				572 p, 7 x 10 Hardcover
Laboratory Health & Safety Dictionary	W. Carl Gottschall and Douglas B. Walters	John Wiley & Sons	2001		471283177				468 p, 6 x 9 Paperback
Laboratory Quality Assurance System: A Manual of Quality Procedures and Forms, 3rd Ed.	Thomas A. Ratliff	Wiley - Interscience	2003		471269182				244 p, 8.5 x 11 Paperback w
Lattice Models of Polymers	Carlo Vanderzande	Cambridge University Pr	1998		521559936				232 p, 6 x 9 Paperback
Let's Work Smarter, Not Harder			1997		0873893867				280 pages, hardbound.
Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120	T. Nylander and B. Lindman, eds.	Springer	2002		3540430016				108 p, 8.2 x 10.8 Hardcover
Liquid Composite Molding	Richard S. Parnas	Hanser Gardner	2000		1569902879				180 p, 6.5 x 9.5 Hardcover v
Liquid Film Coating: Scientific Principles and Their Technologic Implications	Stephan F. Kistler and Peter M. Schweizer, eds.	Chapman & Hall	1997		412064812				795 p, 7.5 x 9.5 Hardcover
Liquid Interfaces in Chemistry and Biology		Wiley - Interscience	1998		471148725				562 p, 6 x 9 Hardcover
Lithographers Manual, 9th Ed.	Thomas M. Destree, ed.	GATF	1994		88362169				420 p, 8.5 x 11 Hardcover
Low Temperature Plasma Physics: Fundamental Aspects and Applications		Wiley - VCH	2001		3527288872				530 p, 6.5 x 9.5 Hardcover
Lubricating Polymer Surfaces	Yoshito Ikada and Yoshikimi Uyama	Technomic	1993		1566760135				184 p, 6 x 9 Paperback
Magnetic Resonance in Colloid and Interface Science (NATO Science Series II, Vol. 76)	Jacques P. Fraissard and Olga Lapina, eds.	Kluwer Academic	2002		1402007876				676 p, 6.3 x 9.5 Paperback
Manual of Plastics Analysis	T.R. Crompton	Plenum Press	1998		306459124				524 p, 6.5 x 9.8 Hardcover
Materials Science of Polymers for Engineers, 2nd Ed.	Tim A. Osswald and Georg Menges	Hanser Gardner	2003		1569903484				640 p, 6.3 x 9 Hardcover

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Mechanical Properties and Testing of Polymers: An A - Z Reference	G.M. Swallowe, ed.	Kluwer Academic	1999		412801701				314 p, 6 x 9 Hardcover
Mechanics of Rollers	David R. Roisum	TAPPI Press	1996		898523133				317 p, 7 x 10 Paperback
Mechanics of Web Handling	David R. Roisum	TAPPI Press	1998		89852346				233 p, 7 x 10 Paperback
Mechanics of Winding	David R. Roisum	TAPPI Press	1994		898522811				247 p, 7 x 10 Paperback
Medical Device Packaging Handbook	Max Sherman, ed.	Marcel Dekker	1998		824701992				410 p, 6 x 9 Hardcover
Medical Device Reliability and Associated Areas	B.S. Dhillion	CRC Press	2000		849303125				256 p, 6 x 9 Hardcover
Medical Plastics: Degradation Resistance & Failure Analysis	Robert C. Portnoy, ed.	Plastics Design Library	1998		188420760				220 p, 7 x 8.5 Hardcover
Metallic Pigments in Polymers	Ian Wheeler	Rapra	1999		1859571662				248 p, 7.2 x 9.7 Hardcover
Metallization of Polymers 2	Edward Sacher, ed.	Plenum Press	2002		306472538				216 p, 6.5 x 9.7 Hardcover
Metallized Plastics 5 & 6: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	1998		9067642908				448 p, 6.6 x 9.8 Hardcover
Metallized Plastics 7: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	2001		9067643408				316 p, 6.2 x 9.4 Paperback
Metallized Plastics: Fundamentals and Applications	K.L. Mittal, ed.	Marcel Dekker	1998		824799259				392 p, 6 x 9 Hardcover
Metallocene Technology in Commercial Applications	George M. Benedikt, ed.	Plastics Design Library	1999		1884207766				321 p, 7 x 8.5 Hardcover
Metallocene-Based Polyolefins: Preparation, Properties and Technology	John Scheirs and Walter Kaminsky, eds.	John Wiley & Sons	2000		471980862				1150 p, 6 x 9 Hardcover
Metallocene-Catalyzed Polymers: Materials, Properties, Processing & Markets	George M. Benedikt and Brian L. Goodall, eds.	Plastics Design Library	1998		1884207596				396 p, 7 x 8.5 Hardcover
Microhardness of Polymers	F.J. Balta Calleja and S. Fakirov	Cambridge University Pr	2000		521642183				262 p, 6.8 x 9.6 Hardcover
Microstructural Characterisation of Fibre-Reinforced Composite	John Summerscales, ed.	CRC Press	1998		849338824				334 p, 6 x 9 Hardcover
Modern Approaches to Wettability: Theory and Applications	Malcolm E. Schrader and George I. Loeb, eds.	Plenum Press	1992		306439859				474 p, 6.5 x 10 Hardcover
Modern Aspects of Emulsion Science	Bernard P. Binks, ed.	Royal Society of Chemist	1998		854044396				442 p, 6 x 9 Hardcover
Modern Characterization Methods of Surfactant Systems	Bernard P. Binks, ed.	Marcel Dekker	1999		824719786				610 p, 6 x 9 Hardcover
Modern Coating & Drying Technology	Edward D. Cohen and Edgar B. Gutoff, eds.	Wiley - VCH	1992		471188069				330 p, 7 x 10 Hardcover
Modern Polyesters: Chemistry and Technology of Polyesters a Copolyesters	John Scheirs and Timothy E. Long, eds.	John Wiley & Sons	2003		471498564				784 p, 6 x 9 Hardcover
Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers	John Scheirs and Duane B Priddy, eds.	John Wiley & Sons	2003		471497525				792 p, 6 x 9 Hardcover
Modern Techniques for Polymer Characterisation	R.A. Pethrick and J.V. Dawkins, eds.	John Wiley & Sons	1999		471960977				410 p, 6 x 9 Hardcover

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Molecular Adhesion and Its Applications: The Sticky Universe	Kevin Kendall	Plenum Press 2001		306465205				448 p, 6 x 9 Hardcover
Molecular Organisation on Interfaces (Progress in Colloid and Polymer Science, Vol. 121)	G. Lagaly, ed.	Springer 2002		3540436375				120 p, 8.3 x 11 Hardcover
Motion of Bubbles and Drops in Reduced Gravity	R. Shankar Subramanian and R. Balasubramaniam	Cambridge University Pr 2001		521496055				488 p, 7 x 10 Hardcover
Mould Sticking, Fouling and Cleaning (Rapra Review Report 1	David E. Packham	Rapra 2002		1859573576				116 p, 8.5 x 11 Paperback
Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials	Gero Decher and Joseph B. Schlenoff, eds.	Wiley - VCH 2003		3527304401				544 p, 6.5 x 9.5 Hardcover
Nano-Surface Chemistry	Morton Rosoff, ed.	Marcel Dekker 2002		824702549				692 p, 7 x 10 Hardcover
Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)		Kluwer Academic 2000		792362667				392 p, 6.2 x 9.5 Paperback
New Advances in Polyolefins	T.C. Chung, ed.	Plenum Press 1993		306445883				256 p, 6.5 x 9.8 Hardcover
New Materials Permeable to Water Vapor	Harro Traubel	Springer 1999		3540649468				367 p, 6 x 9.2 Hardcover
New Product Development: From Initial Idea to Product Management	Marc A. Annacchino	Elsevier 2003		750677325				600 p, 7 x 9.2 Hardcover
New Products and Applications in Surfactant Technology	David R. Karsa, ed.	Sheffield Academic 1998		849397383				245 p, 6 x 9 Hardcover
NMR Spectra of Polymers and Polymer Additives	Anita J. Brandolini and Deborah D. Hills	Marcel Dekker 2000		824789709				640 p, 8.5 x 11 Hardcover
NMR Spectroscopy of Polymers in Solution and in the Solid St (ACS Symposium Series 834)	H.N. Cheng and Alan D. English, eds.	American Chemical Soci 2003		841238081				460 p, 6 x 9 Hardcover
Non-Conventional Polymer Dispersions: 5th Bratislava International Conference on Polymers (Macromolecular Symposia 179)	Ignac Capek, ed.	Wiley - VCH 2002		352730469				374 p, 6 x 9 Hardcover
Noncontact Atomic Force Microscopy	S. Morita, R. Wiesendanger, and E. Meyer, eds.	Springer 2002		3540431179				460 p, 6 x 9.2 Hardcover
Nonionic Surfactants: Organic Chemistry	Nico M. van Os, ed.	Marcel Dekker 1998		824799976				305 p, 6 x 9 Hardcover
Novel Methods to Study Interfacial Layers	D. Mobius and R. Miller, eds.	Elsevier 2001		444509488				536 p, 6.5 x 9.5 Hardcover
Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.	Krister Holmberg, ed.	Marcel Dekker 2003		824743008				648 p, 6 x 9 Hardcover
Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)		American Chemical Soci 2000		841236143				216 p, 6 x 9 Hardcover
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Oxide Surfaces	James A. Wingrave, ed.	Marcel Dekker	2001		824700007				536 p, 7 x 10 Hardcover
Packaging Designer's Book of Patterns, 2nd Ed.	Laszlo Roth and George L. Wybenga	John Wiley & Sons	2000		471385042				608 p, 8.5 x 11 Paperback
Packaging: Specifications, Purchasing, and Quality Control, 4th Ed.	Edmund A. Leonard	Marcel Dekker	1996		824797558				304 p, 6 x 9 Hardcover
Painting and Decorating Craftsman's Manual	0915050005	PDCA	1995		0915050005				362 pages, hardbound.
Paper Coating Additives		TAPPI Press	1995		898520614				150 p, 7 x 10 Hardcover
Particle and Surface Characterisation Methods	R.H. Muller and W. Mehnert, eds.	CRC Press	1998		3887630572				280 p, Hardcover
Particles on Surfaces 5 & 6: Detection, Adhesion and Removal	K.L. Mittal, ed.	VSP	1999		9067643122				362 p, 6.6 x 9.8 Hardcover
Particles on Surfaces 7: Detection, Adhesion and Removal	K.L. Mittal, ed.	VSP	2002		9067643726				462 p, 6.2 x 9.4 Hardcover
Particulate Fillers for Polymers (Rapra Review Report 141)	R.N. Rothon	Rapra	2002		185957310				160 p, 8.2 x 11.5 Paperback
Patent and Trademark Tactics and Practice, 3rd Ed.	David A. Burge	John Wiley & Sons	1999		471329320				298 p, 6 x 9 Hardcover
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Patent Searching Made Easy: Patent Searches on the Internet and in the Library, 2nd Ed.	D. Hitchcock	Nolo Press	2000		873375548				192 p, 8.5 x 11 Paperback
Patent Strategy: For Researchers and Research Managers, 2n Ed.	H. Jackson Knight	John Wiley & Sons	2001		471492612				220 p, 6 x 9 Paperback
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Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrier Materials	Liesl K. Massey	Plastics Design Library	2003		1884207979				616 p, 8.5 x 11 Hardcover
Permeation through Polymers for Process Industry Applications	Robert P. Campion	Materials Technology Ins	2000		444500529				160 p, 6 x 9 Hardcover
Photogeneration of Reactive Species for UV Curing	Cliff G. Roffey	John Wiley & Sons	1997		471941778				882 p, 6 x 9 Hardcover
Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)	J.P. Fouassier	Rapra	1997		1859571301				156 p, 8.5 x 11 Paperback
Photoinitiated Polymerization (ACS Symposium Series 847)	Kevin D. Belfield and James V. Crivello, eds.	American Chemical Soci	2003		841238138				580 p, 6 x 9 Hardcover

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Physical Chemistry of Surfaces, 6th Ed.	Arthur W. Adamson and Alice P. Gast	Wiley - Interscience	1997		471148733				808 p, 6 x 9 Hardcover
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Pigments for Paper	Robert W. Hagemeyer, ed.	TAPPI Press	1997		898520649				271 p, 6 x 9 Hardcover
Plantwide Process Control	Kelvin T. Erickson and John L. Hedrick	Wiley - Interscience	1999		471178357				560 p, 7 x 10 Hardcover
Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)		Kluwer Academic	1997		792348591				542 p, 6.5 x 9.5 Hardcover
Plasma Surface Modification and Plasma Polymerization	N. Inagaki	Technomic	1996		1566763371				276 p, 6 x 9 Hardcover
Plasma Surface Modification of Polymers: Relevance to Adhes	M. Strobel, C.S. Lyons, an K.L. Mittal, eds.	VSP	1994		9067641642				300 p, 6.2 x 9.4 Hardcover
Plastic Film and Foil Web Handling Guide	William E. Hawkins	CRC Press	2003		1587161524				192 p, 6 x 9 Hardcover
Plastic Films: Technology and Packaging Applications	Kenton R. Osborne and Wilmer A. Jenkins	Technomic	1992		877628432				258 p, 6 x 9 Hardcover
Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, and Legislation	O.-G. Piringer and A.L. Baner, eds.	Wiley - VCH	2000		3527288686				610 p, 6.5 x 9.5 Hardcover
Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)	A.S. Wilson	Rapra	1995		1859570614				108 p, 8.5 x 11 Paperback
Plastics Additives Handbook, 5th Ed.	Hans Zweifel, ed.	Hanser Gardner	2001		156990295				1184 p, 5.7 x 8.2 Hardcover
Plastics Additives, 3rd Ed. [Vol 2: An Industry Guide]	Ernest W. Flick	Noyes Publications	2001		815514727				270 p, 6 x 9 Hardcover
Plastics Additives, 3rd Ed. [Vol 3: An Industry Guide]	Ernest W. Flick	Noyes Publications	2001		815514700				160 p, 6 x 9 Hardcover
Plastics Additives: An A - Z Reference	Geoffrey Pritchard, ed.	Chapman & Hall	1998		41272720				656 p, 6 x 9 Hardcover
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Plastics Technology Handbook, 3rd Ed.	Manas Chanda and Salil K. Roy	Marcel Dekker	1998		82470066				1208 p, 6 x 9 Hardcover
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Polyimides: Fundamentals & Applications	Malay K. Ghosh and K.L. Mittal, eds.	Marcel Dekker	1996		824794664				912 p, 7 x 10 Hardcover
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Polymer Characterization Techniques and Their Application to Blends	George P. Simon, ed.	American Chemical Soci	2003		841238189				530 p, 6 x 9.2 Hardcover
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Polymer Data Handbook	James E. Mark	Oxford University Press	1999		195107896				1040 p, 7.5 x 9.2 Hardcover
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Polymer Modification		Plenum Press	1997		306457148				221 p, 6.5 x 9.8 Hardcover
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Polymer Surfaces & Interfaces III	R.W. Richards and S.K. Pearce, eds.	John Wiley & Sons	1999		471982865				316 p, 6 x 9 Hardcover
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Polymer Synthesis and Characterization: A Laboratory Manual		Academic Press	1998		12618240				230 p, 8.5 x 11 Paperback
Polymer Yearbook 18	Richard A. Pethrick and Gennady E. Zaikov, eds.	Rapra	2003		1859573835				426 p, 7.3 x 9.8 Paperback
Polymer-Clay Nanocomposites	Thomas J. Pinnavaia and G.W. Beall, eds.	John Wiley & Sons	2000		471637009				368 p, 6 x 9 Hardcover
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Polymeric Seals and Sealing Technology (Rapra Review Repo 96)	J.A. Hickman	Rapra	1995		1859570968				117 p, 8.5 x 11 Paperback
Polymers in Building and Construction (Rapra Review Report 154)	Sue Halliwell	Rapra	2002		1859573622				136 p, 8.5 x 11 Paperback
Polymers in Dispersed Media I (Macromolecular Symposia 15		Wiley - VCH	2000		3527301291				344 p, 6 x 9.2 Hardcover
Polymers in Dispersed Media II (Macromolecular Symposia 15	Jerome Claverie, Marie-Therese Charreyre, and Christian Pichot, eds.	Wiley - VCH	2000		3527301305				330 p., 6 x 9.2 Hardcover

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Polypropylene Handbook	Edward P. Moore, Jr., ed.	Hanser Gardner	1996		1569902089				439 p, 6.5 x 9.5 Hardcover
Polypropylene: The Definitive User's Guide	Clive Maier and Teresa Calafut	Plastics Design Library	1998		1884207588				452 p, 8.5 x 11 Hardcover
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Polyurethanes in Biomedical Applications		CRC Press	1998		849345170				286 p, 7 x 10 Hardcover
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Principles of Colloid and Surface Chemistry, 3rd Ed.	Paul C. Hiemenz and Raj Rajagopalan	Marcel Dekker	1997		824793978				670 p, 7 x 10 Hardcover
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Printing Ink and Overprint Varnish Formulations, 2nd Ed.	Ernest W. Flick	Noyes Publications	1999		815514409				144 p, 6 x 9 Hardcover
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Quality Assurance in Adhesive Technology	EUREKA Project EU716	Abington Publications	1998		1855732599				168 p, 8.2 x 11.5 Paperback
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Research and Development Management in the Chemical and Pharmaceutical Industry, 2nd Ed.	Peter Bamfield	Wiley - VCH	2003		3527306676				280 p, 6.6 x 9.5 Hardcover
Resins for Coatings: Chemistry, Properties, and Applications	Dieter Stoye and Werner Freitag, eds.	Hanser Gardner	1996		1569902097				475 p, 6.5 x 9.3 Hardcover
Resins for Surface Coatings, 2nd Ed. [Vol. 1: Acrylics & Epo	P.K.T. Oldring, ed.	Wiley - SITA Technology	2001		471978949				374 p, 6.5 x 9 Hardcover
Resins for Surface Coatings, 2nd Ed. [Vol. 2: Alkyds & Polyesters]	P.K.T. Oldring, ed.	Wiley - SITA Technology	2001		471978957				226 p, 6.5 x 9 Hardcover
Retention of Fines and Fillers During Papermaking	Jerome M. Gess, ed.	TAPPI Press	1998		898520665				372 p, 7 x 10 Hardcover
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Roll and Web Defect Terminology	R. Duane Smith, ed.	TAPPI Press	1995		89852279				261 p, 8.5 x 11 Paperback
Rosato's Plastics Encyclopedia and Dictionary	Dominick V. Rosato	Hanser Gardner	1993		1569900884				885 p, 6.5 x 9.5 Hardcover

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Rubber Curing Systems (Rapra Review Report 144)	R.N. Datta	Rapra	2002		1859573266				152 p, 8.2 x 11.5 Paperback
Rubber Formulary	Peter A. Ciullo and Normar Hewitt	Plastics Design Library	1999		815514344				765 p, 6 x 9 Hardcover
Rubber Processing: An Introduction	Peter S. Johnson	Hanser Gardner	2001		1569903093				158 p, 6.5 x 9.5 Hardcover
Rubber Technologist's Handbook	Jim R. White and Sadhan K. De, eds.	Rapra	2002		1859572626				596 p, 7.2 x 9.8 Hardcover
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Safety, Health, and Asset Protection: Management Essentials, 2nd Ed.	Richard W. Lack, ed.	St. Lucie Press	2002		1566703700				886 p, 6 x 9.2 Hardcover
Scanning Probe Microscopes: Applications in Science and Technology	K.S. Birdi	CRC Press	2003		849309301				328 p, 6.1 x 9.2 Hardcover
Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd Ed.	Dawn Bonnell, ed.	Wiley - VCH	2001		47124824				512 p, 6 x 9 Hardcover
Science and Engineering of Droplets: Fundamentals and Applications	Huimin Liu	Noyes Publications	2000		815514360				540 p, 6 x 9.2 Hardcover
Screen Printing Primer, 2nd Ed.	Samuel Ingram	GATF	1999		883622076				152 p, 5.5 x 8.5 Paperback
Screen Printing: A Contemporary Approach	Samuel B. Hoff	Delmar	1997		827371284				298 p, 8 x 9 Hardcover
Silanes and Other Coupling Agents, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643319				300 p, 6.6 x 9.8 Hardcover
Simple Methods for Identification of Plastics, 4th Ed.	Dieter Braun	Hanser Gardner	1999		1569902801				138 p, 5.5 x 8.3 Paperback
Six Sigma and Beyond, Vol. VII: The Implemenation Process	D.H. Stamatis	St. Lucie Press	2003		157444316				652 p, 6 x 9.2 Hardcover
Society of Vacuum Coaters Technical Conference Proceedings 1991-2000 CD-ROM Edition	SVC Staff	Society of Vacuum Coate	2001		815514824				0 p, CD-ROM
Soft Interfaces: The 1994 Dirac Memorial Lecture	Pierre Gilles de Gennes	Cambridge University Pr	1997		521564174				128 p, 5 x 7.2 Hardcover
Solid - Liquid Interface Theory (ACS Symposium Series 789)	J. Woods Halley, ed.	American Chemical Soci	2001		841237174				248 p, 6 x 9 Hardcover
Solid Lubrication Fundamentals and Applications	Kazuhisa Miyoshi	Marcel Dekker	2001		824789059				412 p, 6 x 9 Hardcover
Solid Phase Processing of Polymers		Hanser Gardner	2000		1569903077				428 p, 6.5 x 9.5 Hardcover
Solid-Liquid Interfaces: Macroscopic Phenomena - Microscopic Understanding	K. Wandelt and S. Thurgate, eds.	Springer	2003		3540425837				460 p, 6 x 9.2 Hardcover
Solubility and Solubilization in Aqueous Media	Samuel H. Yalkowsk	American Chemical Soci	1999		841235767				496 p, 6.1 x 9.2 Hardcover
Solvent Mixtures: Properties and Selective Solvation	Yizhak Marcus	Marcel Dekker	2002		824708377				278 p, 6 x 9 Hardcover
Solvent-Free Adhesives (Rapra Review Report 101)	T.E. Rolando	Rapra	1997		1859571336				136 p, 8.5 x 11 Paperback

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Solvents and Solvent Effects in Organic Chemistry, 3rd Ed.	Christian Reichardt	Wiley - VCH	2003		3527306188				656 p, 6.5 x 0.5 Hardcover
SPC Essentials and Productivity Improvement		ASQC	1997		0873893727				266 pages, hardbound.
SPC: Statistical Process Control in Injection Molding and Extrusion	Chris Rauwendaal	Hanser Gardner	2000		1569902852				248 p, 6.5 x 9.5 Hardcover
SPE Guide on Extrusion Technology and Troubleshooting	John Vlachopoulos and John R. Wagner, Jr., eds.	SPE	2002						456 p, 8.5 x 11 Hardcover
Specimen Handling, Preparation, and Treatments in Surface Characterization		Plenum Press	1998		30645887				320 p, 6 x 9 Hardcover
Spectroscopy of Polymers, 2nd Ed.	Jack L. Koenig	Elsevier	1999		444100318				506 p, 6.5 x 9.5 Hardcover
Spectroscopy of Rubbers and Rubbery Materials	Victor M. Litvinov and Prajna P. De, eds.	Rapra	2002		1859572804				650 p, 7.2 x 9.8 Hardcover
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Author: Charles L. Rohn — *Dynix:* — *Series:*
Publish.: Hanser Gardner — *Call No.:*
- place: — *ISBN:* 156990149
- date: 1995 — *Shelf* — *Year:* 1995
Desc: 326 p. 6.5 x 9.5 Hardcover — *Price:* $123.50
Subject: Polymer Characterization - Extrusion - Inks and Coatings - Polymer Science

1073 **Anilox Roll: Heart of the Flexo Process**
Edition:
Author: Joseph P. Trungale — *Dynix:* — *Series:*
Publish.: Jelmar Publishing — *Call No.:*
- place: — *ISBN:* 1885067038
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 141 p. 8.5 x 11 Hardcover — *Price:* $73.50
Subject: Printing Technology - Coating Processes

1287 **ANTEC 2000 Conference Proceedings**
Edition:
Author: — *Dynix:* — *Series:*
Publish.: SPE — *Call No.:*
- place: — *ISBN:* 1566768551
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 3880 p. 8.5 x 11 Paperback — *Price:* $428.50
Subject: Plastics Processing Technology - Polymer Characterization - Polymer Science

1333 **ANTEC 2001 Conference Proceedings**
Edition:
Author: — *Dynix:* — *Series:*
Publish.: SPE — *Call No.:*
- place: — *ISBN:* 1587160986
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 3920 p. 8.5 x 11 Paperback — *Price:* $398.50
Subject: Plastics Processing Technology - Polymer Science

1390 **Apparent and Microscopic Contact Angles**
Edition:
Author: J. Drelich, J.S. Laskowski, and K.L. Mittal, eds. — *Dynix:* — *Series:*
Publish.: VSP — *Call No.:*
- place: — *ISBN:* 9067643211
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 532 p. 6.6 x 9.8 Hardcover — *Price:* $155.00
Subject: Surface Characterization and Analysis - Interfacial Engineering and Surface Science - Polymer Surface Chemistry

1353 **Application of Textiles in Rubber**
Edition:
Author: David B. Wootton — *Dynix:* — *Series:*
Publish.: Rapra — *Call No.:*
- place: — *ISBN:* 1859572774
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 256 p. 7.2 x 9.7 Hardcover — *Price:* $166.50
Subject: Textiles and Nonwovens - Adhesives and Adhesion - Composites, Laminates, and Fibers - Materials Science

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Title	Location	Edition / Series / Misc.

1341 **Applications of Synthetic Resin Latices [Vol. 3: Latices in Diverse Applications]**
Edition:
Author: Henry Warson and C.A. Finch — *Dynix:* — *Series:*
Publish.: John Wiley & Sons — *Call No.:*
- place: — *ISBN:* 471954624
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 544 p. 6 x 9 Hardcover — *Price:* $215.00
Subject: Colloids and Emulsions - Adhesives and Adhesion - Inks and Coatings - Paints and Protective Coatings

1039 **Applied Surface Thermodynamics**
Edition:
Author: A.W. Neumann and Jan K. Spelt, eds. — *Dynix:* — *Series:*
Publish.: Marcel Dekker — *Call No.:*
- place: — *ISBN:* 824790960
- date: 1996 — *Shelf* — *Year:* 1996
Desc: 659 p. 6 x 9 Hardcover — *Price:* $198.50
Subject: Interfacial Engineering and Surface Science - Colloids and Emulsions - Polymer Surface Chemistry -

1332 **Associative Polymers in Aqueous Media (ACS Symposium Series 765)**
Edition:
Author: J. Edward Glass, ed. — *Dynix:* — *Series:*
Publish.: American Chemical Society — *Call No.:*
- place: — *ISBN:* 841236593
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 434 p. 6 x 9 Hardcover — *Price:* $125.00
Subject: Polymer Science - Inks and Coatings - Paints and Protective Coatings - Solubility and Surfactants

1162 **Atlas of Fibre Fracture and Damage to Textiles, 2nd Ed.**
Edition:
Author: J. Hearle, ed. — *Dynix:* — *Series:*
Publish.: CRC Press — *Call No.:*
- place: — *ISBN:* 849338816
- date: 1998 — *Shelf* — *Year:* 1998
Desc: 480 p. Hardcover — *Price:* $408.50
Subject: Composites, Laminates, and Fibers - Materials Science - Wear, Weathering, and Tribology

1493 **Atlas of Plastics Additives: Analysis by Spectrometric Methods**
Edition:
Author: Dietrich O. Hummel — *Dynix:* — *Series:*
Publish.: Springer — *Call No.:*
- place: — *ISBN:* 3540424148
- date: 2002 — *Shelf* — *Year:* 2002
Desc: 544 p. 8.2 x 10.8 Hardcover — *Price:* $338.50
Subject: Additives - Polymer Characterization - QA/QC, Statistics, and Testing

1559 **Benchmarking:Search for Industry Best Practices**
Edition:
Author: — *Dynix:* — *Series:*
Publish.: ASQC — *Call No.:*
- place: — *ISBN:* 0527916358
- date: 1989 — *Shelf* — *Year:* 1989
Desc: 299 pages, hardbound — *Price:* $42.00
Subject: Quality Assurance

1527 **Beyond Metallocenes: Next-Generation Polymerization Catalysts (ACS Symposium Series 857)**
Edition:
Author: Abhimanyu O. Patil and Gregory G. Hlatky, eds. — *Dynix:* — *Series:*
Publish.: American Chemical Society — *Call No.:*
- place: — *ISBN:* 841238383
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 262 p. 6 x 9 Hardcover — *Price:* $105.00
Subject: Polymer Science - Recommend this Site

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Title	Location	Edition / Series / Misc.

1092 Binder Migration in Paper and Paperboard Coatings

Author: Michael J. Whalen-Shaw. ed. | *Dynix:* | *Edition:*
Publish.: TAPPI Press | *Call No.:* | *Series:*
- place: | *ISBN:* 898522706
- date: 1993 | *Shelf* | *Year:* 1993
Desc: 140 p. 8.5 x 11 Paperback | *Price:* $55.00
Subject: Additives - Coating Processes - Inks and Coatings - Paper and Paperboard

1521 Biopolymers (Rapra Review Report 159)

Author: R.M. Johnson. L.Y. Mwaikambo. and N. Tucker | *Dynix:* | *Edition:*
Publish.: Rapra | *Call No.:* | *Series:*
- place: | *ISBN:* 1859573797
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 148 p. 8.2 x 11.5 Paperback | *Price:* $128.50
Subject: Polymer Science - Biopolymers and Medical Applications - Health. Safety. and the Environment

1120 Biopolymers at Interfaces, 2nd Ed.

Author: Martin Malmsten. ed. | *Dynix:* | *Edition:*
Publish.: Marcel Dekker | *Call No.:* | *Series:*
- place: | *ISBN:* 824708636
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 920 p. 7 x 10 Hardcover | *Price:* $205.00
Subject: Biopolymers and Medical Applications - Colloids and Emulsions - Interfacial Engineering and Surface Science - Solubility and Surfactants

1531 Characterisation of Polymers by Thermal Analysis

Author: Wim Groenewoud | *Dynix:* | *Edition:*
Publish.: Elsevier | *Call No.:* | *Series:*
- place: | *ISBN:* 444506047
- date: 2001 | *Shelf* | *Year:* 2001
Desc: 394 p. 6.5 x 9.5 Hardcover | *Price:* $155.00
Subject: Polymer Characterization - Recommend this Site

1503 Characterization of Materials (2 Volume Set)

Author: Elton N. Kaufmann. ed. | *Dynix:* | *Edition:*
Publish.: Wiley - Interscience | *Call No.:* | *Series:*
- place: | *ISBN:* 471268828
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 1420 p. 8.5 x 11 Hardcover | *Price:* $345.00
Subject: Materials Science - General Reference

1271 Chemical Nomenclature

Author: K.J. Thurlow. ed. | *Dynix:* | *Edition:*
Publish.: Kluwer Academic | *Call No.:* | *Series:*
- place: | *ISBN:* 751404756
- date: 1998 | *Shelf* | *Year:* 1998
Desc: 260 p. Hardcover | *Price:* $158.50
Subject: General Reference - Health. Safety. and the Environment - Materials Science

1312 Chemical Product Design

Author: E.L. Cussler and G.D. Moggridge | *Dynix:* | *Edition:*
Publish.: Cambridge University Press | *Call No.:* | *Series:*
- place: | *ISBN:* 521796334
- date: 2001 | *Shelf* | *Year:* 2001
Desc: 248 p. 7 x 10 Paperback | *Price:* $23.50
Subject: General Reference - Recommend this Site

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Title	Location	Edition / Series / Misc.

1317 **Chemical Properties of Material Surfaces**
Author: Marek Kosmulski — *Dynix:* — *Edition:*
Publish.: Marcel Dekker — *Call No.:* — *Series:*
- place: — *ISBN:* 824705602
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 768 p. 7 x 10 Hardcover — *Price:* $195.00
Subject: Surface Characterization and Analysis - Interfacial Engineering and Surface Science - Materials Science

1258 **Chemical Protective Clothing Performance Index, 2nd Ed.**
Author: Krister Forsberg and Lawrence H. Keith — *Dynix:* — *Edition:*
Publish.: Wiley - Interscience — *Call No.:* — *Series:*
- place: — *ISBN:* 471328448
- date: 1999 — *Shelf* — *Year:* 1999
Desc: 650 p. 7 x 10 Hardcover — *Price:* $133.50
Subject: Health, Safety, and the Environment - Recommend this Site

1123 **Chemistry & Technology of UV & EB Formulation for Coatings, Inks & Paints, Vol. 5: Speciali**
Author: P.K.T. Oldring, ed. — *Dynix:* — *Edition:*
Publish.: Wiley - SITA Technology — *Call No.:* — *Series:*
- place: — *ISBN:* 471978809
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 272 p. 6.5 x 9 Hardcover — *Price:* $113.50
Subject: Inks and Coatings - Adhesives and Adhesion - Paints and Protective Coatings

1181 **Chemistry and Applications of Leuco Dyes**
Author: Ramaiah Muthyala, ed. — *Dynix:* — *Edition:*
Publish.: Plenum Press — *Call No.:* — *Series:*
- place: — *ISBN:* 306454599
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 320 p. 6 x 9 Hardcover — *Price:* $143.50
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analysis

1236 **Chemistry and Technology of Isocyanates**
Author: Henri Ulrich — *Dynix:* — *Edition:*
Publish.: John Wiley & Sons — *Call No.:* — *Series:*
- place: — *ISBN:* 471963712
- date: 1996 — *Shelf* — *Year:* 1996
Desc: 502 p. 6 x 9 Hardcover — *Price:* $276.50
Subject: Polymer Science - Adhesives and Adhesion - Paints and Protective Coatings

1174 **Chemisty and Technology of Water Based Inks**
Author: Patrick Laden, ed. — *Dynix:* — *Edition:*
Publish.: Blackie Academic & Professional — *Call No.:* — *Series:*
- place: — *ISBN:* 75140165
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 359 p. 6 x 9 Hardcover — *Price:* $238.50
Subject: Inks and Coatings - Additives - Color Theory, Testing, and Analysis - Health, Safety, and the Environment -

1411 **Clean Solvents: Alternative Media for Chemical Reactions and Processing (ACS Symposium S**
Author: Martin A. Abraham and Luc Moens, eds. — *Dynix:* — *Edition:*
Publish.: American Chemical Society — *Call No.:* — *Series:*
- place: — *ISBN:* 841237794
- date: 2002 — *Shelf* — *Year:* 2002
Desc: 286 p. 6 x 9 Hardcover — *Price:* $105.00
Subject: Solubility and Surfactants - Health, Safety, and the Environment

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1413 **Coated and Laminated Textiles**		*Edition:*
Author: Walter Fung	*Dynix:*	*Series:*
Publish.: CRC Press	*Call No.:*	
- place:	*ISBN:* 849314487	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 416 p. 6 x 9 Hardcover		*Price:* $151.50
Subject: Textiles and Nonwovens - Coating Processes - OA/OC. Statistics. and Testing		
1377 **Coated Textiles: Principles and Applications**		*Edition:*
Author: Ashish Kumar Sen	*Dynix:*	*Series:*
Publish.: Technomic	*Call No.:*	
- place:	*ISBN:* 1587160234	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 246 p. 6 x 9 Hardcover		*Price:* $123.50
Subject: Textiles and Nonwovens - Coating Processes - Inks and Coatings		
1506 **Coating Materials for Electronic Applications: Polymers, Processing, Reliability, Testing**		*Edition:*
Author: James J. Licari	*Dynix:*	*Series:*
Publish.: Noyes Publications	*Call No.:*	
- place:	*ISBN:* 815514921	
- date: 2003	*Shelf*	*Year:* 2003
Desc: 550 p. 6 x 9 Hardcover		*Price:* $98.50
Subject: Paints and Protective Coatings - Coating Processes - Inks and Coatings		
1050 **Coating Processes**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: TAPPI Press	*Call No.:*	
- place:	*ISBN:* 898520584	
- date: 1993	*Shelf*	*Year:* 1993
Desc: 288 p. 8.5 x 11 Paperback		*Price:* $116.50
Subject: Coating Processes - Inks and Coatings - Paper and Paperboard		
1561 **Coatings for Asia '99 Conference Proceedings**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.:	*Call No.:*	
- place:	*ISBN:* 0934010471	
- date: 1999	*Shelf*	*Year:* 1999
Desc: 301 pages. soft cover.		*Price:* $93.00
Subject: Proceedings		
1460 **Coatings of Polymers and Plastics**		*Edition:*
Author: Rose A. Ryntz and Philip V. Yaneff. eds.	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824708946	
- date: 2003	*Shelf*	*Year:* 2003
Desc: 370 p. 6 x 9 Hardcover		*Price:* $155.00
Subject: Paints and Protective Coatings - Recommend this Site		
1562 **Coatings Technology Lecturer's Manuals Set**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: ITE	*Call No.:*	
- place:	*ISBN:*	
- date:	*Shelf*	*Year:*
Desc: Set includes nine softbound books.		*Price:* $1,050.00
Subject: Course Books		

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Title	Location	Edition / Series / Misc.

1055 **Coextrusion (Rapra Review Report 62)**

Author: D. Diordievic
Publish.: Rapra
- place:
- date: 1992
Desc: 150 p. 8.5 x 11 Paperback
Subject: Extrusion - Converting Technology - Plastic Films - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 90234871
Shelf

Edition:
Series:
Year: 1992
Price: $61.50

1374 **Cohesion: A Scientific History of Intermolecular Forces**

Author: John S. Rowlinson
Publish.: Cambridge University Press
- place:
- date: 2002
Desc: 342 p. 6.8 x 9.7 Hardcover
Subject: Interfacial Engineering and Surface Science - General Reference

Dynix:
Call No.:
ISBN: 521810086
Shelf

Edition:
Series:
Year: 2002
Price: $78.50

1427 **Colloid and Surface Chemistry**

Author:
Publish.: Elsevier
- place:
- date: 2001
Desc: 774 p. 6.5 x 9.5 Hardcover
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science

Dynix:
Call No.:
ISBN: 444500456
Shelf

Edition:
Series:
Year: 2001
Price: $198.50

1369 **Colloid and Surface Properties of Clays and Related Minerals**

Author: Rossman F. Giese and Carel J. van Oss, eds.
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 308 p. 6 x 9 Hardcover
Subject: Colloids and Emulsions - Materials Science

Dynix:
Call No.:
ISBN: 82479527
Shelf

Edition:
Series:
Year: 2002
Price: $128.50

1536 **Colloid Chemistry II**

Author: Markus Antonietti, ed.
Publish.: Springer
- place:
- date: 2003
Desc: 240 p. 6 x 9.3 Hardcover
Subject: Colloids and Emulsions - Recommend this Site

Dynix:
Call No.:
ISBN: 3540004181
Shelf

Edition:
Series:
Year: 2003
Price: $166.50

1084 **Colloidal Polymer Particles**

Author: J.W. Goodwin and R. Buscall, eds.
Publish.: Academic Press
- place:
- date: 1995
Desc: 347 p. 6 x 9 Hardcover
Subject: Colloids and Emulsions - Biopolymers and Medical Applications - Paints and Protective Coatings - Polymer Science

Dynix:
Call No.:
ISBN: 122900456
Shelf

Edition:
Series:
Year: 1995
Price: $108.50

1563 **Color and Appearance, 2nd Edition**

Author:
Publish.:
- place:
- date:
Desc: 94 pages, Soft Cover.
Subject: Fundamentals

Dynix:
Call No.:
ISBN: 0934010579
Shelf

Edition: 2nd Edition
Series:
Year:
Price: $75.00

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Title	Location	Edition / Series / Misc.

1363 **Color Essentials: Color and Quality for the Graphic Arts & Sciences, Vol. 1**

Author: Garv G. Field | *Dvnix:* | *Edition:*
Publish.: GATF | *Call No.:* | *Series:*
- place: | *ISBN:* 883623862
- date: 2001 | *Shelf* | *Year:* 2001
Desc: 110 p. 5.5 x 8.5 Paperback | *Price:* $21.50
Subject: Color Theory, Testing, and Analysis - Printing Technology - QA/QC, Statistics, and Testing

1495 **Color Space and Its Divisions: Color Order from Antiquity to the Present**

Author: Rolf G. Kuehni | *Dvnix:* | *Edition:*
Publish.: Wiley - Interscience | *Call No.:* | *Series:*
- place: | *ISBN:* 471326704
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 424 p. 6.1 x 9.2 Hardcover | *Price:* $93.50
Subject: Color Theory, Testing, and Analysis - General Reference

1064 **Color: An Introduction to Practice and Principles**

Author: Rolf G. Kuehni | *Dvnix:* | *Edition:*
Publish.: Wiley - Interscience | *Call No.:* | *Series:*
- place: | *ISBN:* 471145661
- date: 1997 | *Shelf* | *Year:* 1997
Desc: 194 p. 6 x 9.2 Hardcover | *Price:* $88.50
Subject: Color Theory, Testing, and Analysis - Paints and Protective Coatings - Textiles and Nonwovens

1467 **Colorants for Non-Textile Applications**

Author: H.S. Freeman and A.T. Peters, eds. | *Dvnix:* | *Edition:*
Publish.: Elsevier | *Call No.:* | *Series:*
- place: | *ISBN:* 444828885
- date: 2000 | *Shelf* | *Year:* 2000
Desc: 636 p. 6.5 x 9.5 Hardcover | *Price:* $175.00
Subject: Pigments, Dyes, and Colorants - Biopolymers and Medical Applications

1357 **Coloring of Plastics: Fundamentals, 2nd Ed.**

Author: Robert A. Charvat, ed. | *Dvnix:* | *Edition:*
Publish.: Wiley - Interscience | *Call No.:* | *Series:*
- place: | *ISBN:* 471139068
- date: 2004 | *Shelf* | *Year:* 2004
Desc: 450 p. 7 x 10 Hardcover | *Price:* $83.50
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analysis - Plastics Processing Technology

1556 **Coloring of Plastics: Fundamentals, Colorants, Preparations**

Author: Albrecht Muller | *Dvnix:* | *Edition:*
Publish.: Hanser Gardner | *Call No.:* | *Series:*
- place: | *ISBN:* 1569903522
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 280 p., 6.5 x 9.5 Hardcover | *Price:* $63.50
Subject: Color Theory, Testing, and Analysis

1156 **Coloring Technology for Plastics**

Author: Ronald M. Harris, ed. | *Dvnix:* | *Edition:*
Publish.: Plastics Design Library | *Call No.:* | *Series:*
- place: | *ISBN:* 1884207782
- date: 1999 | *Shelf* | *Year:* 1999
Desc: 341 p. 7 x 8.5 Hardcover | *Price:* $118.50
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analysis

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Title	Location	Edition / Series / Misc.

1224 Composite Materials: Engineering and Science

Author: Frank L. Matthews and R.D. Rawlings
Publish.: CRC Press
- place:
- date: 1999
Desc: 460 p. 6 x 9 Paperback
Subject: Composites, Laminates, and Fibers - Materials Science

Dynix:
Call No.:
ISBN: 84930251
Shelf

Edition:
Series:
Year: 1999
Price: $48.50

1512 Comprehensive Desk Reference of Polymer Characterization and Analysis

Author: Robert F. Brady, ed.
Publish.: Oxford University Press
- place:
- date: 2003
Desc: 772 p. 8.5 x 11 Hardcover
Subject: Polymer Characterization - Polymer Surface Chemistry - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 841236658
Shelf

Edition:
Series:
Year: 2003
Price: $305.00

1277 Computational Methods in Surface and Colloid Science

Author: Malgorzata Borowko, ed.
Publish.: Marcel Dekker
- place:
- date: 2000
Desc: 950 p. 6 x 9 Hardcover
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science

Dynix:
Call No.:
ISBN: 824703235
Shelf

Edition:
Series:
Year: 2000
Price: $195.00

1124 Concise Polymeric Materials Encyclopedia

Author: Joseph C. Salamone, ed.
Publish.: CRC Press
- place:
- date: 1999
Desc: 1743 p. 8.5 x 11 Hardcover
Subject: Polymer Science - General Reference - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 84932226
Shelf

Edition:
Series:
Year: 1999
Price: $226.50

1442 Conducting Polymers and Polymer Electrolytes: From Biology to Photovoltaics (ACS Sympo

Author: Judith F. Rubinson and Harry B. Mark, eds.
Publish.: American Chemical Society
- place:
- date: 2002
Desc: 232 p. 6 x 9 Hardcover
Subject: Polymer Science - Recommend this Site

Dynix:
Call No.:
ISBN: 841237700
Shelf

Edition:
Series:
Year: 2002
Price: $88.50

1359 Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Opt

Author:
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 884 p. 6 x 9 Hardcover
Subject: Interfacial Engineering and Surface Science - Polymer Science - Polymer Surface Chemistry -

Dynix:
Call No.:
ISBN: 824705882
Shelf

Edition:
Series:
Year: 2002
Price: $198.50

1465 Contact Angle, Wettability and Adhesion, Vol. 2

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2002
Desc: 572 p. 6.2 x 9.4 Hardcover
Subject: Surface Characterization and Analysis - Adhesives and Adhesion - Interfacial Engineering and Surface Science - Polymer Surface Chemistry

Dynix:
Call No.:
ISBN: 906764370
Shelf

Edition:
Series:
Year: 2002
Price: $245.00

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Title	Location	Edition / Series / Misc.

1490 **Contact, Adhesion, and Rupture of Elastic Solids**

Author: Daniel Maugis
Publish.: Springer
- place:
- date: 2000
Desc: 430 p. 6.1 x 9.3 Hardcover
Subject: Materials Science - Adhesives and Adhesion - Wear, Weathering, and Tribology

Dynix:
Call No.:
ISBN: 3540661131
Shelf

Edition:
Series:
Year: 2000
Price: $103.50

1267 **Copolymerization: Toward a Systematic Approach**

Author: Cornel Hagiopol
Publish.: Plenum Press
- place:
- date: 1999
Desc: 238 p. 6 x 9 Hardcover with CD-ROM
Subject: Polymer Science - Materials Science - Paints and Protective Coatings - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 30646179
Shelf

Edition:
Series:
Year: 1999
Price: $118.50

1365 **Corrugated Adhesives Preparation, 5th Ed.**

Author: Craig E. Nordquist, ed.
Publish.: TAPPI Press
- place:
- date: 2001
Desc: 70 p. 8.5 x 11 Paperback
Subject: Adhesives and Adhesion - Converting Technology - Paper and Paperboard

Dynix:
Call No.:
ISBN: 1930657765
Shelf

Edition:
Series:
Year: 2001
Price: $101.50

1088 **Corrugating Defect/Remedy Manual, 6th Ed.**

Author: James T. Carbone, ed.
Publish.: TAPPI Press
- place:
- date: 1999
Desc: 220 p. 11 x 0 Paperback
Subject: Converting Technology - Packaging Conformance and Specifications - Packaging: General Reference - Paper and Paperboard

Dynix:
Call No.:
ISBN: 898525152
Shelf

Edition:
Series:
Year: 1999
Price: $96.50

1213 **Corrugator**

Author: A. Howard Bessen
Publish.: Jelmar Publishing
- place:
- date: 1999
Desc: 203 p. 8.5 x 11 Hardcover
Subject: Converting Technology - Adhesives and Adhesion - Packaging Technology - Paper and Paperboard

Dynix:
Call No.:
ISBN: 1885067178
Shelf

Edition:
Series:
Year: 1999
Price: $71.50

1219 **Craft of Scientific Writing, 3rd Ed.**

Author: Michael Alley
Publish.: Springer
- place:
- date: 1996
Desc: 297 p. 6 x 9 Paperback
Subject: General Reference - Recommend this Site

Dynix:
Call No.:
ISBN: 387947663
Shelf

Edition:
Series:
Year: 1996
Price: $22.50

1071 **CRC Handbook of Laboratory Safety, 5th Ed.**

Author: A. Keith Furr, ed.
Publish.: CRC Press
- place:
- date: 2000
Desc: 808 p. 7 x 10 Hardcover
Subject: Health, Safety, and the Environment - General Reference

Dynix:
Call No.:
ISBN: 849325234
Shelf

Edition:
Series:
Year: 2000
Price: $151.50

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Title	Location	Edition / Series / Misc.

1335 **CRC Handbook of Thermodynamic Data of Copolymer Solutions** — Edition:
Author: Christian Wohlfarth — *Dynix:* — *Series:*
Publish.: CRC Press — *Call No.:*
- place: — *ISBN:* 849310741
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 516 p. 7 x 10 Hardcover — *Price:* $185.00
Subject: Solubility and Surfactants - Polymer Science

1280 **CRC Materials Science and Engineering Handbook, 3rd Ed.** — Edition:
Author: James F. Shackelford and William Alexander — *Dynix:* — *Series:*
Publish.: CRC Press — *Call No.:*
- place: — *ISBN:* 849326966
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 1950 p. 7 x 10 Hardcover — *Price:* $178.50
Subject: Materials Science - General Reference - QA/QC, Statistics, and Testing

1366 **Critical Thinking in Converting: A Guide to Industrial Problem-Solving** — Edition:
Author: David R. Roisum — *Dynix:* — *Series:*
Publish.: TAPPI Press — *Call No.:*
- place: — *ISBN:* 1930657773
- date: 2002 — *Shelf* — *Year:* 2002
Desc: 274 p. 6.8 x 9.8 Paperback — *Price:* $88.50
Subject: Converting Technology - Coating Processes - Experimental Design and Analysis - General Reference

1378 **Crystallization of Polymers, 2nd Ed. [Vol. 1: Equilibrium Concepts]** — Edition:
Author: Leo Mandelkern — *Dynix:* — *Series:*
Publish.: Cambridge University Press — *Call No.:*
- place: — *ISBN:* 521816815
- date: 2002 — *Shelf* — *Year:* 2002
Desc: 448 p. 6.8 x 9.7 Hardcover — *Price:* $93.50
Subject: Polymer Science - Recommend this Site

1031 **Cure Assessment by Physical and Chemical Techniques (Rapra Review Report 68)** — Edition:
Author: B.G. Willoughby — *Dynix:* — *Series:*
Publish.: Rapra — *Call No.:*
- place: — *ISBN:* 1859570003
- date: 1994 — *Shelf* — *Year:* 1994
Desc: 122 p. 8.5 x 11 Paperback — *Price:* $61.50
Subject: Curing and Photopolymerization Processes - Inks and Coatings - Paints and Protective Coatings - Printing Technology

1541 **Cure Monitoring for Composites and Adhesives (Rapra Review Report 164)** — Edition:
Author: David R. Mulligan — *Dynix:* — *Series:*
Publish.: Rapra — *Call No.:*
- place: — *ISBN:* 1859573932
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 116 p. 8.2 x 11.5 Paperback — *Price:* $128.50
Subject: Curing and Photopolymerization Processes - Biopolymers and Medical Applications - Composites, Laminates, and Fibers

1170 **Design and Optimization of Laminated Composite Materials** — Edition:
Author: Zafer Gurdal, Raphael T. Haftka, and Prabhat Hajela — *Dynix:* — *Series:*
Publish.: Wiley - Interscience — *Call No.:*
- place: — *ISBN:* 47125276
- date: 1999 — *Shelf* — *Year:* 1999
Desc: 349 p. 6 x 9 Hardcover — *Price:* $105.00
Subject: Composites, Laminates, and Fibers - Materials Science

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Title	Location	Edition / Series / Misc.

1142 **Design Controls for the Medical Device Industry**
Author: Marie B. Teixeira and Richard Bradley — *Dynix:* — *Edition:*
Publish.: Marcel Dekker — *Call No.:* — *Series:*
- place: — *ISBN:* 82470830
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 250 p. 6 x 9 Hardcover — *Price:* $116.50
Subject: QA/QC, Statistics, and Testing - Biopolymers and Medical Applications

1145 **Development and Manufacture of Pressure-Sensitive Products**
Author: Istvan Benedek — *Dynix:* — *Edition:*
Publish.: Marcel Dekker — *Call No.:* — *Series:*
- place: — *ISBN:* 824702069
- date: 1999 — *Shelf* — *Year:* 1999
Desc: 692 p. 6 x 9 Hardcover — *Price:* $188.50
Subject: Adhesives and Adhesion - Coating Processes - Converting Technology - Packaging Technology

1519 **Developments in Colorants for Plastics (Rapra Review Report 157)**
Author: Ian N. Christensen — *Dynix:* — *Edition:*
Publish.: Rapra — *Call No.:* — *Series:*
- place: — *ISBN:* 1859573738
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 120 p. 8.2 x 11.5 Paperback — *Price:* $128.50
Subject: Pigments, Dyes, and Colorants - Recommend this Site

1048 **Dictionary of Paper, 5th Ed.**
Author: Michael Kouris, ed. — *Dynix:* — *Edition:*
Publish.: TAPPI Press — *Call No.:* — *Series:*
- place: — *ISBN:* 898520592
- date: 1996 — *Shelf* — *Year:* 1996
Desc: 353 p. 7 x 10 Hardcover — *Price:* $83.50
Subject: Paper and Paperboard - General Reference

1444 **Dielectrics in Electric Fields**
Author: Gorur G. Raju — *Dynix:* — *Edition:*
Publish.: Marcel Dekker — *Call No.:* — *Series:*
- place: — *ISBN:* 824708644
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 596 p. 7 x 10 Hardcover — *Price:* $155.00
Subject: Materials Science - Plastic Films

1041 **Diffusion in and Through Polymers: Principles and Applications**
Author: W.R. Vieth — *Dynix:* — *Edition:*
Publish.: Hanser Gardner — *Call No.:* — *Series:*
- place: — *ISBN:* 1569901066
- date: 1991 — *Shelf* — *Year:* 1991
Desc: 336 p. Hardcover — *Price:* $61.50
Subject: Polymer Science - Biopolymers and Medical Applications - Solubility and Surfactants

1558 **Discovering Polyurethanes**
Author: Konrad Uhlig — *Dynix:* — *Edition:*
Publish.: Hanser Gardner — *Call No.:* — *Series:*
- place: — *ISBN:* 1569902720
- date: 1999 — *Shelf* — *Year:* 1999
Desc: 183 p., 6.3 x 9 Hardcover — *Price:* $55.00
Subject: Plastics Processing Technology

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Title	Location	Edition / Series / Misc.

1264 **Drops and Bubbles in Interfacial Research**

Author: D. Mobius and R. Miller, eds. *Dynix:* *Edition:*
Publish.: Elsevier *Call No.:* *Series:*
- place: *ISBN:* 44482894
- date: 1998 *Shelf* *Year:* 1998
Desc: 726 p. 6.5 x 9.5 Hardcover *Price:* $235.00
Subject: Interfacial Engineering and Surface Science - Adhesives and Adhesion - Biopolymers and Medical Applications - Colloids and Emulsions

1133 **Dynamic Mechanical Analysis for Plastics Engineering**

Author: Michael P. Sepe *Dynix:* *Edition:*
Publish.: Plastics Design Library *Call No.:* *Series:*
- place: *ISBN:* 1884207642
- date: 1998 *Shelf* *Year:* 1998
Desc: 200 p. 8.5 x 11 Paperback *Price:* $205.00
Subject: Polymer Characterization - Plastics Processing Technology - Polymer Science -

1166 **Dynamic Mechanical Analysis: A Practical Introduction to Techniques and Applications**

Author: Kevin P. Menard *Dynix:* *Edition:*
Publish.: CRC Press *Call No.:* *Series:*
- place: *ISBN:* 849386888
- date: 1999 *Shelf* *Year:* 1999
Desc: 224 p. 6 x 9 Hardcover *Price:* $71.50
Subject: Polymer Characterization - Materials Science - Plastics Processing Technology

1463 **Dynamic Surface Phenomena**

Author: Paul Joos *Dynix:* *Edition:*
Publish.: VSP *Call No.:* *Series:*
- place: *ISBN:* 9067643009
- date: 1999 *Shelf* *Year:* 1999
Desc: 374 p. 6.7 x 9.8 Hardcover *Price:* $193.50
Subject: Surface Characterization and Analysis - Interfacial Engineering and Surface Science

1479 **Dynamics of Molecule Surface Interactions**

Author: Gert Due Billing *Dynix:* *Edition:*
Publish.: Wiley - Interscience *Call No.:* *Series:*
- place: *ISBN:* 471331082
- date: 2000 *Shelf* *Year:* 2000
Desc: 246 p. 6 x 9 Hardcover *Price:* $101.50
Subject: Interfacial Engineering and Surface Science - Recommend this Site

1028 **Effect of UV Light and Weather on Plastics and Elastomers**

Author: Plastics Design Library Staff *Dynix:* *Edition:*
Publish.: Plastics Design Library *Call No.:* *Series:*
- place: *ISBN:* 1884207111
- date: 1994 *Shelf* *Year:* 1994
Desc: 491 p. 8.5 x 11 Hardcover *Price:* $205.00
Subject: Wear, Weathering, and Tribology - Additives - Extrusion - Materials Science

1255 **Elastomer Processing: Formulas and Tables**

Author: Werner Kleeman and Kurt Weber *Dynix:* *Edition:*
Publish.: Hanser Gardner *Call No.:* *Series:*
- place: *ISBN:* 1569902658
- date: 1998 *Shelf* *Year:* 1998
Desc: 214 p. 6 x 9 Paperback *Price:* $55.00
Subject: Plastics Processing Technology - Additives

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Title	Location	Edition / Series / Misc.

1121 **Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications**
Author: Hirovuki Ohshima and Kunio Furusawa. eds. *Dvnix:* *Edition:*
Publish.: Marcel Dekker *Call No.:* *Series:*
- place: *ISBN:* 824790391
- date: 1998 *Shelf* *Year:* 1998
Desc: 645 p. 7 x 10 Hardcover *Price:* $213.50
Subject: Interfacial Engineering and Surface Science - Colloids and Emulsions - Solubility and Surfactants -

1522 **Emulsion Polymerisation and Latex Applications (Rapra Review Report 160)**
Author: Christopher D. Anderson and Eric S. Daniels *Dvnix:* *Edition:*
Publish.: Rapra *Call No.:* *Series:*
- place: *ISBN:* 1859573819
- date: 2003 *Shelf* *Year:* 2003
Desc: 150 p. 8.2 x 11.6 Paperback *Price:* $128.50
Subject: Colloids and Emulsions - Polymer Science

1516 **Emulsion Science: Basic Principles, An Overview**
Author: *Dvnix:* *Edition:*
Publish.: Springer *Call No.:* *Series:*
- place: *ISBN:* 3540436820
- date: 2002 *Shelf* *Year:* 2002
Desc: 148 p. 6.1 x 9.2 Hardcover *Price:* $86.50
Subject: Colloids and Emulsions - Recommend this Site

1308 **Emulsions, Foams, and Thin Films**
Author: K.L. Mittal and Promod Kumar. eds. *Dvnix:* *Edition:*
Publish.: Marcel Dekker *Call No.:* *Series:*
- place: *ISBN:* 824703669
- date: 2000 *Shelf* *Year:* 2000
Desc: 512 p. 6 x 9 Hardcover *Price:* $168.50
Subject: Interfacial Engineering and Surface Science - Biopolymers and Medical Applications - Colloids and Emulsions - Inks and Coatings

1410 **Emulsions: Theory and Practice, 3rd Ed.**
Author: Paul Becher *Dvnix:* *Edition:*
Publish.: American Chemical Society *Call No.:* *Series:*
- place: *ISBN:* 841234965
- date: 2001 *Shelf* *Year:* 2001
Desc: 520 p. 6 x 9.2 Hardcover *Price:* $98.50
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science

1163 **Encyclopedic Dictionary of Named Processes in Chemical Technology, 2nd Ed.**
Author: A.E. Comyns. ed. *Dvnix:* *Edition:*
Publish.: CRC Press *Call No.:* *Series:*
- place: *ISBN:* 849312051
- date: 1999 *Shelf* *Year:* 1999
Desc: 368 p. Hardcover *Price:* $73.50
Subject: General Reference - Health. Safety. and the Environment

1310 **Encyclopedic Handbook of Emulsion Technology**
Author: Johan Sjoblom. ed. *Dvnix:* *Edition:*
Publish.: Marcel Dekker *Call No.:* *Series:*
- place: *ISBN:* 824704541
- date: 2001 *Shelf* *Year:* 2001
Desc: 750 p. 8.3 x 11 Hardcover *Price:* $188.50
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science

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Title	Location	Edition / Series / Misc.

1158 **Engineering Coatings - Design and Application, 2nd Ed.**

Author: Stan Grainger and Jane Blunt, eds. | *Dynix:* | *Edition:*
Publish.: William Andrew | *Call No.:* | *Series:*
- place: | *ISBN:* 1884207685
- date: 1998 | *Shelf* | *Year:* 1998
Desc: 331 p, 6.7 x 9.6 Hardcover | *Price:* $123.50
Subject: Coating Processes - Paints and Protective Coatings - Wear, Weathering, and Tribology

1249 **Engineering Procedures Handbook**

Author: Phillip A. Cloud | *Dynix:* | *Edition:*
Publish.: Noyes Publications | *Call No.:* | *Series:*
- place: | *ISBN:* 815514107
- date: 1997 | *Shelf* | *Year:* 1997
Desc: 432 p, 8.5 x 11 Hardcover | *Price:* $78.50
Subject: General Reference - Experimental Design and Analysis - OA/OC, Statistics, and Testing

1320 **Engineering With Rubber: How to Design Rubber Components, 2nd Ed.**

Author: Alan N. Gent, ed. | *Dynix:* | *Edition:*
Publish.: Hanser Gardner | *Call No.:* | *Series:*
- place: | *ISBN:* 1569902992
- date: 2001 | *Shelf* | *Year:* 2001
Desc: 380 p, 6.5 x 9.5 Hardcover | *Price:* $91.50
Subject: Materials Science - OA/OC, Statistics, and Testing

1324 **Environmental Regulations for Printers: How to Comply with Environmental Rules While Mak**

Author: Fred Shapiro | *Dynix:* | *Edition:*
Publish.: Jelmar Publishing | *Call No.:* | *Series:*
- place: | *ISBN:* 1885067089
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 964 p, 8.5 x 11 Hardcover | *Price:* $298.50
Subject: Printing Technology - Health, Safety, and the Environment

1116 **Environmental Stress Cracking of Plastics**

Author: D.C. Wright, ed. | *Dynix:* | *Edition:*
Publish.: Rapra | *Call No.:* | *Series:*
- place: | *ISBN:* 185957064
- date: 1996 | *Shelf* | *Year:* 1996
Desc: 150 p, 8.5 x 11 Paperback | *Price:* $153.50
Subject: Wear, Weathering, and Tribology - Plastics Processing Technology - Solubility and Surfactants

1456 **Experimental Characterization of Advanced Composite Materials, 3rd Ed.**

Author: Donald F. Adams, Leif A. Carlsson, and R. Byron Pipes | *Dynix:* | *Edition:*
Publish.: CRC Press | *Call No.:* | *Series:*
- place: | *ISBN:* 1587161001
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 250 p, 6 x 9.2 Hardcover | *Price:* $161.50
Subject: Composites, Laminates, and Fibers - Materials Science - OA/OC, Statistics, and Testing

1538 **Experimental Determination of Solubilities**

Author: G.T. Hefter and R.P.T. Tomkins, eds. | *Dynix:* | *Edition:*
Publish.: John Wiley & Sons | *Call No.:* | *Series:*
- place: | *ISBN:* 471497088
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 658 p, 6 x 9 Hardcover | *Price:* $243.50
Subject: Solubility and Surfactants - Experimental Design and Analysis

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Title	Location	Edition / Series / Misc.

1470 **Experimental Methods in the Physical Sciences [Vol. 38: Advances in Surface Science]**
Author: Hari Singh Nalwa, ed.
Publish.: Academic Press
- place:
- date: 2001
Desc: 468 p, 6 x 9 Hardcover
Subject: Surface Characterization and Analysis - Recommend this Site
Dynix:
Call No.:
ISBN: 124759858
Shelf
Edition:
Series:
Year: 2001
Price: $135.00

1273 **Experimental Quality: A Strategic Approach to Achieve and Improve Quality**
Author: Jiju Antony and Mike Kaye
Publish.: Kluwer Academic
- place:
- date: 2000
Desc: 268 p, 6 x 9 Hardcover
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis
Dynix:
Call No.:
ISBN: 412814404
Shelf
Edition:
Series:
Year: 2000
Price: $133.50

1080 **Experimental Strategies for Polymer Scientists and Plastics Engineers**
Author: Richard C. Neuman
Publish.: Hanser Gardner
- place:
- date: 1997
Desc: 168 p, 6 x 9 Hardcover
Subject: Experimental Design and Analysis - Plastics Processing Technology - Polymer Characterization -
Dynix:
Call No.:
ISBN: 1569902240
Shelf
Edition:
Series:
Year: 1997
Price: $55.00

1167 **Extrusion Coating Manual, 4th Ed.**
Author: Thomas Bezigian, ed.
Publish.: TAPPI Press
- place:
- date: 1999
Desc: 331 p, 8.5 x 11 Hardcover
Subject: Coating Processes - Converting Technology - Extrusion - Paper and Paperboard
Dynix:
Call No.:
ISBN: 898520673
Shelf
Edition:
Series:
Year: 1999
Price: $105.00

1029 **Fatigue and Tribological Properties of Plastics and Elastomers**
Author: Plastics Design Library Staff
Publish.: Plastics Design Library
- place:
- date: 1995
Desc: 537 p, 8.5 x 11 Hardcover
Subject: Wear, Weathering, and Tribology - Materials Science
Dynix:
Call No.:
ISBN: 1884207154
Shelf
Edition:
Series:
Year: 1995
Price: $205.00

1509 **Filing Patents Online: A Professional Guide**
Author: Sarfaraz K. Niazi
Publish.: CRC Press
- place:
- date: 2003
Desc: 450 p, 6 x 9.2 Paperback
Subject: Patents and Intellectual Property - Recommend this Site
Dynix:
Call No.:
ISBN: 849316243
Shelf
Edition:
Series:
Year: 2003
Price: $63.50

1420 **Fillers and Filled Polymers (Macromolecular Symposia 169)**
Author: Jean-Francois Gerard, ed.
Publish.: Wiley - VCH
- place:
- date: 2001
Desc: 348 p, 6 x 9 Hardcover
Subject: Additives - Plastics Processing Technology
Dynix:
Call No.:
ISBN: 3527303316
Shelf
Edition:
Series:
Year: 2001
Price: $175.00

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Title	Location	Edition / Series / Misc.

1052 **Film Extrusion Manual: Process, Materials, Properties**

Author: Thomas I. Butler and Earl W. Veazey, eds.
Publish.: TAPPI Press
- place:
- date: 1992
Desc: 791 p. 8.5 x 11 Paperback
Subject: Plastic Films - Converting Technology - Extrusion - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 898522501
Shelf

Edition:
Series:
Year: 1992
Price: $135.00

1152 **Film Processing**

Author: Toshitaka Kanai and Gregory A. Campbell, eds.
Publish.: Hanser Gardner
- place:
- date: 1999
Desc: 400 p. 6.5 x 9.5 Hardcover
Subject: Plastic Films - Recommend this Site

Dynix:
Call No.:
ISBN: 1569902526
Shelf

Edition:
Series:
Year: 1999
Price: $135.00

1242 **Fire and Explosion Hazards Handbook of Industrial Chemicals**

Author: Tatyana A. Davletshina and Nicholas P. Cheremisinoff
Publish.: Noyes Publications
- place:
- date: 1998
Desc: 494 p. 7 x 10 Hardcover
Subject: Health, Safety, and the Environment - Recommend this Site

Dynix:
Call No.:
ISBN: 815514298
Shelf

Edition:
Series:
Year: 1998
Price: $113.50

1462 **First International Congress on Adhesion Science and Technology: Festschrift in Honor of D**

Author: W.J. van Ooij and H.R. Anderson, Jr., eds.
Publish.: VSP
- place:
- date: 1998
Desc: 948 p. 6.2 x 9.4 Hardcover
Subject: Adhesives and Adhesion - Interfacial Engineering and Surface Science - Polymer Surface Modification

Dynix:
Call No.:
ISBN: 9067642916
Shelf

Edition:
Series:
Year: 1998
Price: $228.50

1151 **FIRST: Flexographic Image Reproduction Specifications & Tolerances, 2nd Ed.**

Author:
Publish.: FTA
- place:
- date: 2004
Desc: 0 p. 8.5 x 11 Paperback
Subject: QA/QC, Statistics, and Testing - Color Theory, Testing, and Analysis - Printing Technology

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 2004
Price: $63.50

1114 **Flammability Handbook for Plastics, 5th Ed.**

Author: Carlos J. Hidalgo
Publish.: Technomic
- place:
- date: 1998
Desc: 350 p. 6 x 9 Hardcover
Subject: Health, Safety, and the Environment - General Reference - Materials Science - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 1566766516
Shelf

Edition:
Series:
Year: 1998
Price: $171.50

1309 **Flexible Packaging - Adhesives, Coatings and Processes (Rapra Review Report 122)**

Author: T.E. Rolando
Publish.: Rapra
- place:
- date: 2000
Desc: 114 p. 8.3 x 11.5 Paperback
Subject: Converting Technology - Adhesives and Adhesion - Coating Processes - Inks and Coatings

Dynix:
Call No.:
ISBN: 1859572316
Shelf

Edition:
Series:
Year: 2000
Price: $108.50

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Title	Location	Edition / Series / Misc.

1100 Flexo Folder-Gluer/Rotary Diecutter Problem Identification Guide

Author: Russell L. Smith
Publish.: Jelmar Publishing
- place:
- date: 1998
Desc: 72 p. 8.5 x 11 Paperback
Subject: Converting Technology - Packaging Conformance and Specifications - Packaging: General Reference - Packaging Technology

Dynix:
Call No.:
ISBN: 1885067143
Shelf

Edition:
Series:
Year: 1998
Price: $38.50

1149 Flexographic Ink: A Process Approach

Author: FFTA Staff
Publish.: FTA
- place:
- date: 1998
Desc: 167 p. 7 x 10 Paperback
Subject: Inks and Coatings - Printing Technology

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1998
Price: $51.50

1168 Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board

Author: Joel J. Shulman, ed.
Publish.: TAPPI Press
- place:
- date: 1999
Desc: 60 p. 8.5 x 11 Paperback
Subject: Printing Technology - Converting Technology - Packaging: General Reference

Dynix:
Call No.:
ISBN: 898523567
Shelf

Edition:
Series:
Year: 1999
Price: $35.00

1150 Flexography: Principles & Practices, 5th Ed.

Author:
Publish.: FTA
- place:
- date: 2000
Desc: 920 p. 8 x 10.5 Paperback
Subject: Printing Technology - Converting Technology - Inks and Coatings

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 2000
Price: $108.50

1304 Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)

Author: David G. Castner and David W. Grainger, eds.
Publish.: American Chemical Society
- place:
- date: 2001
Desc: 256 p. 6 x 9 Hardcover
Subject: Polymer Surface Chemistry - Coating Processes - Polymer Surface Modification

Dynix:
Call No.:
ISBN: 841236232
Shelf

Edition:
Series:
Year: 2001
Price: $88.50

1265 Foam and Foam Films: Theory, Experiment, Application

Author: Dotchi Exerowa and Pyotr M. Kruglyakov
Publish.: Elsevier
- place:
- date: 1998
Desc: 795 p. 6.5 x 9.5 Hardcover
Subject: Colloids and Emulsions - Biopolymers and Medical Applications - Interfacial Engineering and Surface Science - Polymer Surface Chemistry

Dynix:
Call No.:
ISBN: 444819223
Shelf

Edition:
Series:
Year: 1998
Price: $253.50

1282 Foam Extrusion: Principles and Practice

Author: Shau-Tarng Lee, ed.
Publish.: Technomic
- place:
- date: 2000
Desc: 365 p. 6 x 9 Hardcover
Subject: Extrusion - Materials Science - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 1566768799
Shelf

Edition:
Series:
Year: 2000
Price: $178.50

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Title	Location	Edition / Series / Misc.

1164 **Food Packaging Technology, Vol. 1**

Author: G. Bureau and J.-L. Multon, eds. *Dynix:* *Edition:*
Publish.: Wiley - VCH *Call No.:* *Series:*
- place: *ISBN:* 471186414
- date: 1996 *Shelf* *Year:* 1996
Desc: 398 p. 6 x 9 Hardcover *Price:* $221.50
Subject: Packaging Technology - Health, Safety, and the Environment - Packaging Conformance and Specifications

1291 **Food Packaging: Testing Methods and Applications (ACS Symposium Series 753)**

Author: Sara J. Risch, ed. *Dynix:* *Edition:*
Publish.: American Chemical Society *Call No.:* *Series:*
- place: *ISBN:* 841236178
- date: 2000 *Shelf* *Year:* 2000
Desc: 174 p. 6 x 9 Hardcover *Price:* $65.00
Subject: Packaging Technology - Packaging: General Reference - Solubility and Surfactants

1477 **Formulation Technology: Emulsions, Suspensions, Solid Forms**

Author: *Dynix:* *Edition:*
Publish.: Wiley - VCH *Call No.:* *Series:*
- place: *ISBN:* 3527302018
- date: 2001 *Shelf* *Year:* 2001
Desc: 446 p. 6.7 x 9.4 Hardcover *Price:* $206.50
Subject: Colloids and Emulsions - Solubility and Surfactants

1148 **Frontiers in Biomedical Polymer Applications, Vol. 1**

Author: Raphael M. Ottenbrite, ed. *Dynix:* *Edition:*
Publish.: Technomic *Call No.:* *Series:*
- place: *ISBN:* 1566765773
- date: 1998 *Shelf* *Year:* 1998
Desc: 331 p. 6 x 9 Hardcover *Price:* $166.50
Subject: Biopolymers and Medical Applications - Polymer Surface Modification

1564 **Functional Index Series: Index of Anti-Microbials**

Author: *Dynix:* *Edition:*
Publish.: Gower *Call No.:* *Series:*
- place: *ISBN:* 0566078163
- date: 1996 *Shelf* *Year:* 1996
Desc: 468 pages. *Price:* $225.00
Subject: Raw Materials

1565 **Functional Index Series: Index of Flame Retardants**

Author: *Dynix:* *Edition:*
Publish.: Gower *Call No.:* *Series:*
- place: *ISBN:* 0566078856
- date: 1997 *Shelf* *Year:* 1997
Desc: 305 pages. *Price:* $225.00
Subject: Raw Materials

1566 **Functional Index Series: Index of Solvents**

Author: *Dynix:* *Edition:*
Publish.: Gower *Call No.:* *Series:*
- place: *ISBN:* 0566078848
- date: 1996 *Shelf* *Year:* 1996
Desc: 589 pages, hard bound *Price:* $225.00
Subject: Raw Materials

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Title	Location	Edition / Series / Misc.

1372 **Functionalization of Polyolefins**
Author: T.C. Mike Chung — *Dynix:* — *Edition:*
Publish.: Academic Press — *Call No.:* — *Series:*
- place: — *ISBN:* 121746518
- date: 2002 — *Shelf* — *Year:* 2002
Desc: 288 p. 6 x 9 Hardcover — *Price:* $55.00
Subject: Polymer Science - Recommend this Site

1009 **Fundamentals of Adhesion**
Author: Lieng-Huang Lee, ed. — *Dynix:* — *Edition:*
Publish.: Plenum Press — *Call No.:* — *Series:*
- place: — *ISBN:* 306434709
- date: 1991 — *Shelf* — *Year:* 1991
Desc: 472 p. 6.5 x 9.7 Hardcover — *Price:* $165.00
Subject: Adhesives and Adhesion - Colloids and Emulsions - Interfacial Engineering and Surface Science - Polymer Surface Modification

1396 **Fundamentals of Adhesion and Interfaces**
Author: D.S. Rimai, L.P. DeMejo, and K.L. Mittal, eds. — *Dynix:* — *Edition:*
Publish.: VSP — *Call No.:* — *Series:*
- place: — *ISBN:* 9067641979
- date: 1995 — *Shelf* — *Year:* 1995
Desc: 304 p. 6.2 x 9.4 Hardcover — *Price:* $85.00
Subject: Adhesives and Adhesion - Interfacial Engineering and Surface Science - Polymer Surface Chemistry -

1281 **Fundamentals of Interface and Colloid Science [Vol 3: Liquid - Fluid Interfaces]**
Author: Hans Lyklema, ed. — *Dynix:* — *Edition:*
Publish.: Academic Press — *Call No.:* — *Series:*
- place: — *ISBN:* 124605230
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 790 p. 6.5 x 9.5 Hardcover — *Price:* $108.50
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science

1063 **Fundamentals of Interfacial Engineering**
Author: Robert J. Stokes and D. Fennell Evans — *Dynix:* — *Edition:*
Publish.: Wiley - VCH — *Call No.:* — *Series:*
- place: — *ISBN:* 471186473
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 729 p. 7 x 10 Hardcover — *Price:* $98.50
Subject: Interfacial Engineering and Surface Science - Adhesives and Adhesion - Materials Science - Polymer Surface Modification

1015 **Fundamentals of Polymer Science: An Introductory Text, 2nd Ed.**
Author: P.C. Painter and M.M. Coleman — *Dynix:* — *Edition:*
Publish.: Technomic — *Call No.:* — *Series:*
- place: — *ISBN:* 1566765595
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 492 p. Hardcover — *Price:* $105.00
Subject: Polymer Science - Recommend this Site

1567 **Gardner's Chemical Synonyms and Trade Names**
Author: — *Dynix:* — *Edition:*
Publish.: Gower — *Call No.:* — *Series:*
- place: — *ISBN:* 0566081903
- date: 1999 — *Shelf* — *Year:* 1999
Desc: 1418 pages, hardbound — *Price:* $325.00
Subject: Reference

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Title	Location	Edition / Series / Misc.

1159 GATF Encyclopedia of Graphic Communications

Author: Frank J. Romano and Richard M. Romano, eds.
Publish.: GATF
- place:
- date: 1998
Desc: 985 p, 8.5 x 11 Hardcover
Subject: General Reference - Color Theory, Testing, and Analysis - Inks and Coatings - Printing Technology

Dynix:
Call No.:
ISBN: 883621908
Shelf

Edition:
Series:
Year: 1998
Price: $138.50

1182 GATF Practical Guide to Color Management, 2nd Ed.

Author: Richard M. Adams II and Joshua B. Weisberg
Publish.: GATF
- place:
- date: 2000
Desc: 250 p, 7.5 x 10 Hardcover
Subject: Color Theory, Testing, and Analysis - Printing Technology

Dynix:
Call No.:
ISBN: 883622483
Shelf

Edition:
Series:
Year: 2000
Price: $58.50

1379 Glossary of Plastics Terminology in Five Languages, 5th Ed.

Author: Wolfgang Glenz, ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Desc: 390 p, 4.6 x 7.5 Paperback with CD-ROM
Subject: General Reference - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 156990328
Shelf

Edition:
Series:
Year: 2001
Price: $36.50

1499 Green Solvents for Chemistry: Perspectives and Practice

Author: William M. Nelson
Publish.: Oxford University Press
- place:
- date: 2003
Desc: 400 p, 6 x 9.2 Hardcover
Subject: Solubility and Surfactants - Health, Safety, and the Environment

Dynix:
Call No.:
ISBN: 195157362
Shelf

Edition:
Series:
Year: 2003
Price: $133.50

1065 Guide to Materials Characterization and Chemical Analysis, 2nd Ed.

Author: John P. Sibilia, ed.
Publish.: Wiley - VCH
- place:
- date: 1996
Desc: 400 p, 6 x 9 Hardcover
Subject: Materials Science - Polymer Characterization - QA/QC, Statistics, and Testing -

Dynix:
Call No.:
ISBN: 471186333
Shelf

Edition:
Series:
Year: 1996
Price: $96.50

1348 Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.

Author:
Publish.: Wiley - Interscience
- place:
- date: 2001
Desc: 650 p, 6 x 9.2 Hardcover
Subject: Health, Safety, and the Environment - General Reference

Dynix:
Call No.:
ISBN: 471254479
Shelf

Edition:
Series:
Year: 2001
Price: $135.00

1023 Guidelines for Laboratory Quality Auditing

Author: Donald C. Singer and Ronald P. Upton
Publish.: Marcel Dekker
- place:
- date: 1993
Desc: 421 p, 6 x 9 Hardcover
Subject: QA/QC, Statistics, and Testing - Biopolymers and Medical Applications - Health, Safety, and the Environment

Dynix:
Call No.:
ISBN: 824787846
Shelf

Edition:
Series:
Year: 1993
Price: $68.50

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Title	Location	Edition / Series / Misc.

1484 **Handbook for Critical Cleaning**
Author: Barbara Kanegsberg and Edward Kanegsberg, eds.
Publish.: CRC Press
- place:
- date: 2001
Desc: 680 p, 7 x 10 Hardcover
Subject: Solubility and Surfactants - Health, Safety, and the Environment
Dynix:
Call No.:
ISBN: 849316553
Shelf
Edition:
Series:
Year: 2001
Price: $126.50

1038 **Handbook of Adhesive Technology, 2nd Ed.**
Author: A. Pizzi and K.L. Mittal, eds.
Publish.: Marcel Dekker
- place:
- date: 2003
Desc: 1036 p, 7 x 10 Hardcover
Subject: Adhesives and Adhesion - QA/QC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 824709861
Shelf
Edition:
Series:
Year: 2003
Price: $215.00

1400 **Handbook of Adhesives and Sealants**
Author: Edward M. Petrie
Publish.: McGraw-Hill
- place:
- date: 2000
Desc: 902 p, 6 x 9 Hardcover
Subject: Adhesives and Adhesion - Recommend this Site
Dynix:
Call No.:
ISBN: 70498881
Shelf
Edition:
Series:
Year: 2000
Price: $81.50

1401 **Handbook of Adhesives and Sealants in Construction**
Author: Joseph S. Amstock
Publish.: McGraw-Hill
- place:
- date: 2001
Desc: 656 p, 6 x 9 Hardcover
Subject: Adhesives and Adhesion - Recommend this Site
Dynix:
Call No.:
ISBN: 7001616
Shelf
Edition:
Series:
Year: 2001
Price: $71.50

1437 **Handbook of Analytical Techniques, Vols. 1 & 2**
Author: Helmut Gunzler and Alex Williams, eds.
Publish.: Wiley - VCH
- place:
- date: 2001
Desc: 1198 p, 6.5 x 9.5 Hardcover
Subject: QA/QC, Statistics, and Testing - Polymer Characterization
Dynix:
Call No.:
ISBN: 3527301658
Shelf
Edition:
Series:
Year: 2001
Price: $418.50

1547 **Handbook of Applied Polymer Processing Technology**
Author: Nicholas P. Cheremisinoff and Paul N. Cheremisinoff
Publish.: Marcel Dekker
- place:
- date: 1996
Desc: 802 p., 6 x 9 Hardcover
Subject: Plastics Processing Technology
Dynix:
Call No.:
ISBN: 0824796799
Shelf
Edition:
Series:
Year: 1996
Price: $213.50

1419 **Handbook of Applied Surface and Colloid Chemistry, Vols. 1 and 2**
Author: Krister Holmberg, ed.
Publish.: John Wiley & Sons
- place:
- date: 2002
Desc: 1110 p, 7.4 x 9.7 Hardcover
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science - Solubility and Surfactants -
Dynix:
Call No.:
ISBN: 471490830
Shelf
Edition:
Series:
Year: 2002
Price: $665.00

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Title	Location	Edition / Series / Misc.

1523 **Handbook of Aqueous Solubility Data**

Author: Samuel H. Yalkowsky and Yan He
Publish.: CRC Press
- place:
- date: 2003
Desc: 1512 p. 7 x 10 Hardcover
Subject: Solubility and Surfactants - Recommend this Site

Dynix:
Call No.:
ISBN: 849315328
Shelf

Edition:
Series:
Year: 2003
Price: $268.50

1409 **Handbook of Chemical Health and Safety**

Author: Robert J. Alaimo, ed.
Publish.: American Chemical Society
- place:
- date: 2001
Desc: 672 p. 8.5 x 11 Hardcover
Subject: Health, Safety, and the Environment - General Reference

Dynix:
Call No.:
ISBN: 841236704
Shelf

Edition:
Series:
Year: 2001
Price: $53.50

1208 **Handbook of Chemical Vapor Deposition: Principles, Technology and Applications, 2nd Ed.**

Author: Hugh O. Pierson
Publish.: Noyes Publications
- place:
- date: 1999
Desc: 436 p. 6 x 9 Hardcover
Subject: Materials Science - Composites, Laminates, and Fibers - Inks and Coatings - Polymer Surface Modification

Dynix:
Call No.:
ISBN: 815514328
Shelf

Edition:
Series:
Year: 1999
Price: $98.50

1207 **Handbook of Deposition Technologies for Films and Coatings: Science, Technology and App**

Author: Rointan F. Bunshah, ed.
Publish.: Noyes Publications
- place:
- date: 1994
Desc: 888 p. 6 x 9 Hardcover
Subject: Coating Processes - Inks and Coatings - Materials Science -

Dynix:
Call No.:
ISBN: 815513372
Shelf

Edition:
Series:
Year: 1994
Price: $128.50

1140 **Handbook of Experimental Methods for Process Improvement**

Author: David C. Drain
Publish.: Chapman & Hall
- place:
- date: 1997
Desc: 448 p. 6 x 9 Hardcover
Subject: Experimental Design and Analysis - Converting Technology - Paper and Paperboard - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 412127016
Shelf

Edition:
Series:
Year: 1997
Price: $71.50

1094 **Handbook of Fiber Chemistry, 2nd Ed.**

Author: Menachem Lewin and Eli M. Pearce, eds.
Publish.: Marcel Dekker
- place:
- date: 1998
Desc: 1105 p. 6 x 9 Hardcover
Subject: Composites, Laminates, and Fibers - Materials Science - Textiles and Nonwovens

Dynix:
Call No.:
ISBN: 824794710
Shelf

Edition:
Series:
Year: 1998
Price: $235.00

1074 **Handbook of Fiber Finish Technology**

Author: Philip E. Slade
Publish.: Marcel Dekker
- place:
- date: 1998
Desc: 534 p. 6 x 9 Hardcover
Subject: Composites, Laminates, and Fibers - Additives - Textiles and Nonwovens

Dynix:
Call No.:
ISBN: 824700481
Shelf

Edition:
Series:
Year: 1998
Price: $163.50

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Title	Location	Edition / Series / Misc.

1131 **Handbook of Fillers, 2nd Ed.**
Author: George Wypych
Publish.: ChemTec Publishing
- place:
- date: 1999
Desc: 910 p. 6.5 x 9.3 Hardcover
Subject: Additives - Health, Safety, and the Environment
Dynix:
Call No.:
ISBN: 1884207693
Shelf
Edition:
Series:
Year: 1999
Price: $205.00

1197 **Handbook of Graphic Arts Equations**
Author: Manfred H. Breede
Publish.: GATF
- place:
- date: 1999
Desc: 248 p. 7.5 x 10 Paperback with CD-ROM
Subject: Printing Technology - General Reference
Dynix:
Call No.:
ISBN: 883622467
Shelf
Edition:
Series:
Year: 1999
Price: $41.50

1358 **Handbook of IR Spectroscopy of Ultrathin Films**
Author:
Publish.: Wiley - Interscience
- place:
- date: 2003
Desc: 736 p. 6.1 x 9.2 Hardcover
Subject: Surface Characterization and Analysis - Interfacial Engineering and Surface Science - Materials Science
Dynix:
Call No.:
ISBN: 47135404
Shelf
Edition:
Series:
Year: 2003
Price: $133.50

1117 **Handbook of Material Weathering, 3rd Ed.**
Author: George Wypych
Publish.: ChemTec Publishing
- place:
- date: 2003
Desc: 756 p. 6.4 x 9.2 Hardcover
Subject: Wear, Weathering, and Tribology - Materials Science - OA/OC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 815514786
Shelf
Edition:
Series:
Year: 2003
Price: $205.00

1229 **Handbook of Microemulsion Science and Technology**
Author: Promod Kumar and K.L. Mittal, eds.
Publish.: Marcel Dekker
- place:
- date: 1999
Desc: 860 p. 7 x 10 Hardcover
Subject: Colloids and Emulsions - Polymer Characterization - Solubility and Surfactants
Dynix:
Call No.:
ISBN: 824719794
Shelf
Edition:
Series:
Year: 1999
Price: $188.50

1318 **Handbook of Physical Testing of Paper, 2nd Ed., Vol 1**
Author:
Publish.: Marcel Dekker
- place:
- date: 2001
Desc: 1040 p. 7 x 10 Hardcover
Subject: Paper and Paperboard - Composites, Laminates, and Fibers - OA/OC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 824704983
Shelf
Edition:
Series:
Year: 2001
Price: $165.00

1209 **Handbook of Physical Vapor Deposition (PVD) Processing: Film Formation, Adhesion, Surfac**
Author: Donald H. Mattox
Publish.: Noves Publications
- place:
- date: 1998
Desc: 948 p. 6 x 9 Hardcover
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating Processes - Packaging Technology
Dynix:
Call No.:
ISBN: 815514220
Shelf
Edition:
Series:
Year: 1998
Price: $143.50

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Title	Location	Edition / Series / Misc.

1293 **Handbook of Plasma Immersion Ion Implantation and Deposition** — Edition:
Author: Andre Anders. ed. — *Dynix:* — *Series:*
Publish.: John Wiley & Sons — *Call No.:*
- place: — *ISBN:* 471246980
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 760 p. 6 x 9 Hardcover — *Price:* $156.50
Subject: Materials Science - Interfacial Engineering and Surface Science - Polymer Surface Modification -

1520 **Handbook of Plastic Films** — Edition:
Author: Elsaved M. Abdel-Bary. ed. — *Dynix:* — *Series:*
Publish.: Rapra — *Call No.:*
- place: — *ISBN:* 185957338
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 416 p. 7.3 x 10 Paperback — *Price:* $166.50
Subject: Plastic Films - Recommend this Site

1514 **Handbook of Plastics Analysis** — Edition:
Author: Hubert Lobo and Jose V. Bonilla. eds. — *Dynix:* — *Series:*
Publish.: Marcel Dekker — *Call No.:*
- place: — *ISBN:* 824707087
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 656 p. 6 x 9 Hardcover — *Price:* $168.50
Subject: Polymer Characterization - OA/OC. Statistics. and Testing

1032 **Handbook of Plastics Joining: A Practical Guide** — Edition:
Author: Plastics Design Library Staff — *Dynix:* — *Series:*
Publish.: Plastics Design Library — *Call No.:*
- place: — *ISBN:* 1884207170
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 485 p. 8.5 x 11 Hardcover — *Price:* $205.00
Subject: Materials Science - Adhesives and Adhesion - Interfacial Engineering and Surface Science - Plastics Processing Technology

1137 **Handbook of Plastics Testing Technology, 2nd Ed.** — Edition:
Author: Vishu Shah — *Dynix:* — *Series:*
Publish.: Wiley - Interscience — *Call No.:*
- place: — *ISBN:* 471182028
- date: 1998 — *Shelf* — *Year:* 1998
Desc: 368 p. 7 x 10 Hardcover — *Price:* $105.00
Subject: Experimental Design and Analysis - Plastics Processing Technology - Polymer Characterization - OA/OC. Statistics. and Testing

1259 **Handbook of Polycarbonate Science and Technology** — Edition:
Author: Donald G. LeGrand and John T. Bendler. eds. — *Dynix:* — *Series:*
Publish.: Marcel Dekker — *Call No.:*
- place: — *ISBN:* 824799151
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 370 p. 6 x 9 Hardcover — *Price:* $133.50
Subject: Polymer Science - Materials Science - Plastics Processing Technology - Polymer Characterization

1260 **Handbook of Polyethylene: Structures, Properties, and Applications** — Edition:
Author: Andrew J. Peacock — *Dynix:* — *Series:*
Publish.: Marcel Dekker — *Call No.:*
- place: — *ISBN:* 824795466
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 542 p. 6 x 9 Hardcover — *Price:* $161.50
Subject: Plastics Processing Technology - Extrusion - Packaging Technology - Plastic Films

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Title	Location	Edition / Series / Misc.

1459 **Handbook of Polymer Testing: Short-Term Mechanical Tests**

Author: Roger Brown. ed.
Publish.: Rapra
- place:
- date: 2002
Desc: 220 p. 7.3 x 9.8 Paperback
Subject: Polymer Characterization - Materials Science - OA/QC. Statistics. and Testing

Dynix:
Call No.:
ISBN: 185957324
Shelf

Edition:
Series:
Year: 2002
Price: $123.50

1008 **Handbook of Polymer-Liquid Interaction Parameters and Solubility Parameters**

Author: Allan F.M. Barton. ed.
Publish.: CRC Press
- place:
- date: 1990
Desc: 768 p. 7 x 10 Hardcover
Subject: Solubility and Surfactants - Polymer Surface Chemistry

Dynix:
Call No.:
ISBN: 849335442
Shelf

Edition:
Series:
Year: 1990
Price: $445.00

1307 **Handbook of Polyolefins, 2nd Ed.**

Author: Cornelia Vasile. ed.
Publish.: Marcel Dekker
- place:
- date: 2000
Desc: 1030 p. 8.5 x 11 Hardcover
Subject: Polymer Science - Additives - Plastics Processing Technology - Polymer Characterization

Dynix:
Call No.:
ISBN: 824786033
Shelf

Edition:
Series:
Year: 2000
Price: $213.50

1228 **Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.**

Author: Harutun G. Karian. ed.
Publish.: Marcel Dekker
- place:
- date: 2003
Desc: 756 p. 6 x 9 Hardcover
Subject: Materials Science - Composites. Laminates. and Fibers - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 824740645
Shelf

Edition:
Series:
Year: 2003
Price: $168.50

1109 **Handbook of Polyvinyl Choloride Formulating**

Author: Edward J. Wickson. ed.
Publish.: Wiley - Interscience
- place:
- date: 1993
Desc: 947 p. 7 x 10 Hardcover
Subject: Additives - Polymer Science

Dynix:
Call No.:
ISBN: 471601829
Shelf

Edition:
Series:
Year: 1993
Price: $263.50

1192 **Handbook of Pressure Sensitive Adhesive Technology, 3rd Ed.**

Author: Donatas Satas. ed.
Publish.: Satas & Associates
- place:
- date: 1999
Desc: 1038 p. 6 x 9 Hardcover
Subject: Adhesives and Adhesion - Biopolymers and Medical Applications - Coating Processes - Converting Technology

Dynix:
Call No.:
ISBN: 963799339
Shelf

Edition:
Series:
Year: 1999
Price: $171.50

1488 **Handbook of Print Media: Technologies and Manufacturing Processes**

Author: Helmut Kipphan. ed.
Publish.: Springer
- place:
- date: 2001
Desc: 1228 p. 7.5 x 9.5 Hardcover with CD-ROM
Subject: Printing Technology - General Reference

Dynix:
Call No.:
ISBN: 3540673261
Shelf

Edition:
Series:
Year: 2001
Price: $93.50

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Title	Location	Edition / Series / Misc.
1199 **Handbook of Printing Processes**		*Edition:*
Author: Deborah L. Stevenson	*Dynix:*	*Series:*
Publish.: GATF	*Call No.:*	
- place:	*ISBN:* 883621649	
- date: 1994	*Shelf*	*Year:* 1994
Desc: 270 p. 5.5 x 8.5 Hardcover		*Price:* $58.50
Subject: Printing Technology - General Reference		
1085 **Handbook of Pulping and Papermaking, 2nd Ed.**		*Edition:*
Author: Christopher J. Biermann	*Dynix:*	*Series:*
Publish.: Academic Press	*Call No.:*	
- place:	*ISBN:* 120973626	
- date: 1996	*Shelf*	*Year:* 1996
Desc: 782 p. 7 x 10 Hardcover		*Price:* $73.50
Subject: Paper and Paperboard - Colloids and Emulsions - OA/OC. Statistics. and Testing		
1434 **Handbook of Radical Polymerization**		*Edition:*
Author: Krzystof Matyiaszewski and Thomas P. Davis. eds.	*Dynix:*	*Series:*
Publish.: Wiley - Interscience	*Call No.:*	
- place:	*ISBN:* 47139274	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 930 p. 6 x 9 Paperback		*Price:* $185.00
Subject: Polymer Science - Recommend this Site		
1315 **Handbook of Raman Spectroscopy: From the Research Laboratory to the Process Line**		*Edition:*
Author: Ian R. Lewis and Howell G.M. Edwards. eds.	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824705572	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 1074 p. 7 x 10 Hardcover		*Price:* $195.00
Subject: OA/OC. Statistics. and Testing - Surface Characterization and Analysis		
1354 **Handbook of Rubber Bonding**		*Edition:*
Author: Bryan Crowther. ed.	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 1859571670	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 396 p. 7.2 x 9.7 Hardcover		*Price:* $218.50
Subject: Adhesives and Adhesion - Materials Science		
1007 **Handbook of Solubility Parameters and Other Cohesion Parameters, 2nd Ed.**		*Edition:*
Author: Allan F.M. Barton. ed.	*Dynix:*	*Series:*
Publish.: CRC Press	*Call No.:*	
- place:	*ISBN:* 849301769	
- date: 1991	*Shelf*	*Year:* 1991
Desc: 766 p. 7 x 10 Hardcover		*Price:* $295.00
Subject: Solubility and Surfactants - Recommend this Site		
1072 **Handbook of Surface and Colloid Chemistry, 2nd Ed.**		*Edition:*
Author: K.S. Birdi. ed.	*Dynix:*	*Series:*
Publish.: CRC Press	*Call No.:*	
- place:	*ISBN:* 849310792	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 864 p. 7 x 10 Hardcover		*Price:* $253.50
Subject: Colloids and Emulsions - Polymer Surface Chemistry		

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Title	Location	Edition / Series / Misc.

1087 **Handbook of Surface and Interface Analysis: Methods for Problem-Solving** — Edition:
Author: J.C. Riviere and S. Myhra, eds. — Dynix: — Series:
Publish.: Marcel Dekker — Call No.:
- place: — ISBN: 824700805
- date: 1998 — Shelf — Year: 1998
Desc: 995 p, 6 x 9 Hardcover — Price: $198.50
Subject: Surface Characterization and Analysis - Biopolymers and Medical Applications - Colloids and Emulsions - Composites, Laminates, and Fibers

1340 **Handbook of Surfactant Analysis: Chemical, Physico-Chemical, and Physical Methods** — Edition:
Author: Dieter O. Hummel — Dynix: — Series:
Publish.: John Wiley & Sons — Call No.:
- place: — ISBN: 471720461
- date: 2000 — Shelf — Year: 2000
Desc: 412 p, 7.5 x 9.5 Hardcover — Price: $253.50
Subject: Solubility and Surfactants - OA/OC, Statistics, and Testing - Surface Characterization and Analysis

1530 **Handbook of Thermal Analysis and Calorimetry [Vol. 3: Applications to Polymers and Plastic** — Edition:
Author: Stephen Z.D. Cheng, ed. — Dynix: — Series:
Publish.: Elsevier — Call No.:
- place: — ISBN: 444512861
- date: 2003 — Shelf — Year: 2003
Desc: 858 p, 6.5 x 9.5 Hardcover — Price: $198.50
Subject: Polymer Characterization - Recommend this Site

1554 **Handbook of Thermoplastic Polyesters** — Edition:
Author: Stoyko Fakirov, ed. — Dynix: — Series:
Publish.: John Wiley & Sons — Call No.:
- place: — ISBN: 3527301135
- date: 2002 — Shelf — Year: 2002
Desc: 1416 p., 6.6 x 9.4 Hardcover — Price: $525.00
Subject: Polymer Science

1135 **Handbook of Thermoplastics** — Edition:
Author: Olagoke Olabisi, ed. — Dynix: — Series:
Publish.: Marcel Dekker — Call No.:
- place: — ISBN: 824797973
- date: 1997 — Shelf — Year: 1997
Desc: 1072 p, 7 x 10 Hardcover — Price: $225.00
Subject: Plastics Processing Technology - Polymer Science

1203 **Handbook of Thermoset Plastics, 2nd Ed.** — Edition:
Author: Sidney H. Goodman, ed. — Dynix: — Series:
Publish.: Noyes Publications — Call No.:
- place: — ISBN: 815514212
- date: 1998 — Shelf — Year: 1998
Desc: 604 p, 6 x 9.3 Hardcover — Price: $95.00
Subject: Polymer Science - Adhesives and Adhesion - Inks and Coatings - Materials Science

1414 **Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.** — Edition:
Author: Krishna Seshan, ed. — Dynix: — Series:
Publish.: Noyes Publications — Call No.:
- place: — ISBN: 815514425
- date: 2002 — Shelf — Year: 2002
Desc: 658 p, 6 x 9 Hardcover — Price: $98.50
Subject: Coating Processes - Materials Science - Surface Characterization and Analysis

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Title	Location	Edition / Series / Misc.

1272 Handbook of Total Quality Management

Author:	Christian N. Madu, ed.	*Dynix:*		*Edition:*	
Publish.:	Kluwer Academic	*Call No.:*		*Series:*	
- place:		*ISBN:*	41275360		
- date:	1998	*Shelf*		*Year:*	1998
Desc:	834 p. 6 x 9 Hardcover			*Price:*	$285.00
Subject:	QA/QC, Statistics, and Testing - General Reference				

1345 Hawley's Condensed Chemical Dictionary, 14th Print Ed.

Author:	Richard S. Lewis, Sr.	*Dynix:*		*Edition:*	
Publish.:	John Wiley & Sons	*Call No.:*		*Series:*	
- place:		*ISBN:*	471387355		
- date:	2001	*Shelf*		*Year:*	2001
Desc:	1240 p. 7 x 10 Hardcover			*Price:*	$138.50
Subject:	General Reference - Health, Safety, and the Environment				

1068 Heterogeneous Modification of Polymers: Matrix and Surface Reactions

Author:	Joseph Jagur-Grodzinski	*Dynix:*		*Edition:*	
Publish.:	John Wiley & Sons	*Call No.:*		*Series:*	
- place:		*ISBN:*	471942871		
- date:	1997	*Shelf*		*Year:*	1997
Desc:	277 p. 6 x 9 CD-ROM			*Price:*	$136.50
Subject:	Polymer Science - Composites, Laminates, and Fibers - Materials Science - Polymer Surface Modification				

1011 How to Assure Quality in Plastics

Author:	Merry Keating	*Dynix:*		*Edition:*	
Publish.:	Hanser Gardner	*Call No.:*		*Series:*	
- place:		*ISBN:*	1569901805		
- date:	1995	*Shelf*		*Year:*	1995
Desc:	231 p. 6.2 x 9 Hardcover			*Price:*	$65.00
Subject:	QA/QC, Statistics, and Testing - Recommend this Site				

1254 How to Find Chemical Information: A Guide for Practicing Chemists, Educators, and Student

Author:	Robert E. Maizell	*Dynix:*		*Edition:*	
Publish.:	John Wiley & Sons	*Call No.:*		*Series:*	
- place:		*ISBN:*	471125792		
- date:	1998	*Shelf*		*Year:*	1998
Desc:	540 p. 6 x 9 Hardcover			*Price:*	$78.50
Subject:	General Reference - Health, Safety, and the Environment				

1184 How to Make Patent Drawings Yourself, 3rd Ed.

Author:	David Pressman and Jack Lo	*Dynix:*		*Edition:*	
Publish.:	Nolo Press	*Call No.:*		*Series:*	
- place:		*ISBN:*	873377885		
- date:	2001	*Shelf*		*Year:*	2001
Desc:	258 p. 8.5 x 11 Paperback			*Price:*	$15.00
Subject:	Patents and Intellectual Property - Recommend this Site				

1216 HPLC of Polymers

Author:	Harald Pasch and Bernd Trathnigg	*Dynix:*		*Edition:*	
Publish.:	Springer	*Call No.:*		*Series:*	
- place:		*ISBN:*	3540655514		
- date:	1999	*Shelf*		*Year:*	1999
Desc:	236 p. 6 x 9.5 Paperback			*Price:*	$56.50
Subject:	Polymer Characterization - Polymer Science - QA/QC, Statistics, and Testing				

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Title	Location	Edition / Series / Misc.
1112 **Hydrophilic Polymer Coatings for Medical Devices: Structure/Properties, Development, Manu**		*Edition:*
Author: Richard J. LaPorte	*Dynix:*	*Series:*
Publish.: Technomic	*Call No.:*	
- place:	*ISBN:* 1566765048	
- date: 1997	*Shelf*	*Year:* 1997
Desc: 198 p. 6 x 9 Paperback		*Price:* $178.50
Subject: Biopolymers and Medical Applications - Coating Processes		
1571 **ICE '99 Annual Meeting Program Proceedings**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: FSCT	*Call No.:*	
- place:	*ISBN:* 0934010455	
- date: 1999	*Shelf*	*Year:* 1999
Desc: 568 pages, soft cover.		*Price:* $109.00
Subject: Proceedings		
1568 **ICE 2000 Annual Meeting Program Proceedings**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: FSCT	*Call No.:*	
- place:	*ISBN:* 0934010463	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 874 pages, soft cover.		*Price:* $109.00
Subject: Proceedings		
1569 **ICE 2001 Annual Meeting Program Proceedings**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: FSCT	*Call No.:*	
- place:	*ISBN:* 0934010544	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 834 pages, soft cover.		*Price:* $119.00
Subject: Proceedings		
1570 **ICE 2002 Annual Meeting Program Proceedings**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: FSCT	*Call No.:*	
- place:	*ISBN:* 0934010560	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 900 pages, soft cover.		*Price:* $129.00
Subject: Proceedings		
1491 **Identification and Control of Sheet and Film Processes**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: Springer	*Call No.:*	
- place:	*ISBN:* 1852333057	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 184 p. 6 x 9 Hardcover		*Price:* $83.50
Subject: Plastic Films - Converting Technology - Paper and Paperboard -		
1551 **Imaging and Image Analysis Applications for Plastics**		*Edition:*
Author: Behnam Pourdeyhimi, ed.	*Dynix:*	*Series:*
Publish.: Plastics Design Library	*Call No.:*	
- place:	*ISBN:* 1884207812	
- date: 1999	*Shelf*	*Year:* 1999
Desc: 315 p., 7 x 8.5 Hardcover		*Price:* $118.50
Subject: Polymer Characterization		

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Title	Location	Edition / Series / Misc.

1336 **Impact of Surface Science on Catalysis** — Edition:
Author: Bruce C. Gates and Helmut Knoezinger, eds. — *Dynix:* — *Series:*
Publish.: Academic Press — *Call No.:*
- place: — *ISBN:* 122772512
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 460 p. 6 x 9 Paperback — *Price:* $63.50
Subject: Interfacial Engineering and Surface Science - Surface Characterization and Analysis

1252 **Implementing Six Sigma: Smarter Solutions Using Statistical Methods, 2nd Ed.** — Edition:
Author: Forrest W. Breyfogle III — *Dynix:* — *Series:*
Publish.: John Wiley & Sons — *Call No.:*
- place: — *ISBN:* 471265721
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 1226 p. 6 x 9 Hardcover — *Price:* $91.50
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis

1099 **Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of C** — Edition:
Author: Russell L. Smith — *Dynix:* — *Series:*
Publish.: Jelmar Publishing — *Call No.:*
- place: — *ISBN:* 1885067135
- date: 1998 — *Shelf* — *Year:* 1998
Desc: 485 p. 8.5 x 11 Paperback — *Price:* $115.00
Subject: Converting Technology - Packaging Conformance and Specifications - Packaging Technology -

1448 **In-Mould Decoration of Plastics (Rapra Review Report 146)** — Edition:
Author: J.C. Love and V. Goodship — *Dynix:* — *Series:*
Publish.: Rapra — *Call No.:*
- place: — *ISBN:* 1859573282
- date: 2002 — *Shelf* — *Year:* 2002
Desc: 128 p. 8.5 x 11 Paperback — *Price:* $123.50
Subject: Plastics Processing Technology - Coating Processes - Plastic Films

1326 **Indexing: A Nuts-and-Bolts Guide for Technical Writers** — Edition:
Author: Kurt Ament — *Dynix:* — *Series:*
Publish.: William Andrew — *Call No.:*
- place: — *ISBN:* 815514816
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 108 p. 6.7 x 9 Paperback — *Price:* $28.50
Subject: General Reference - Recommend this Site

1147 **Industrial Color Testing: Fundamentals and Techniques, 2nd Ed.** — Edition:
Author: Hans G. Volz — *Dynix:* — *Series:*
Publish.: Wiley - VCH — *Call No.:*
- place: — *ISBN:* 3527304363
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 390 p. 6.8 x 9.5 Hardcover — *Price:* $171.50
Subject: Color Theory, Testing, and Analysis - Paints and Protective Coatings

1424 **Industrial Dyes: Chemistry, Properties, Applications** — Edition:
Author: Klaus Hunger, ed. — *Dynix:* — *Series:*
Publish.: Wiley - VCH — *Call No.:*
- place: — *ISBN:* 3527304266
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 684 p. 6.5 x 9.5 Hardcover — *Price:* $223.50
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analysis - Textiles and Nonwovens

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Title	Location	Edition / Series / Misc.

1243 **Industrial Fire Safety Guidebook** — Edition:
Author: Tatyana A. Davletshina — *Dynix:* — *Series:*
Publish.: Noves Publications — *Call No.:*
- place: — *ISBN:* 815514204
- date: 1998 — *Shelf* — *Year:* 1998
Desc: 540 p. 6 x 9 Hardcover — *Price:* $113.50
Subject: Health. Safety. and the Environment - Recommend this Site

1549 **Industrial Organic Pigments: Production, Properties, Applications, 3rd Ed.** — Edition:
Author: Klaus Hunger and Willy Herbst — *Dynix:* — *Series:*
Publish.: Wiley - VCH — *Call No.:*
- place: — *ISBN:* 3527305769
- date: 2004 — *Shelf* — *Year:* 2004
Desc: 675 p. Hardcover — *Price:* $191.50
Subject: Pigments. Dyes. and Colorants

1095 **Industrial Plastics: Theory and Applications, 4th Ed.** — Edition:
Author: Erik Lokensgard — *Dynix:* — *Series:*
Publish.: Delmar — *Call No.:*
- place: — *ISBN:* 1401804691
- date: 2004 — *Shelf* — *Year:* 2004
Desc: 546 p. 8.5 x 11 Paperback — *Price:* $76.50
Subject: Plastics Processing Technology - General Reference

1483 **Industrial Solvents Handbook, 2nd Ed.** — Edition:
Author: Nicholas P. Cheremisinoff — *Dynix:* — *Series:*
Publish.: Marcel Dekker — *Call No.:*
- place: — *ISBN:* 824740335
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 358 p. 6 x 9 Hardcover — *Price:* $153.50
Subject: Solubility and Surfactants - Health. Safety. and the Environment - Paints and Protective Coatings

1248 **Industrial Solvents Handbook, 5th Ed.** — Edition:
Author: Ernest W. Flick — *Dynix:* — *Series:*
Publish.: Noves Publications — *Call No.:*
- place: — *ISBN:* 815514131
- date: 1998 — *Shelf* — *Year:* 1998
Desc: 996 p. 8.5 x 11 Hardcover — *Price:* $138.50
Subject: Solubility and Surfactants - General Reference - Health. Safety. and the Environment

1323 **Infrared and Raman Spectroscopy of Polymers (Rapra Review Report 134)** — Edition:
Author: J.L. Koenig — *Dynix:* — *Series:*
Publish.: Rapra — *Call No.:*
- place: — *ISBN:* 1859572847
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 148 p. 8.3 x 11.5 Paperback — *Price:* $123.50
Subject: Polymer Characterization - Polymer Science

1364 **Ink Trapping and Colorimetric Variation** — Edition:
Author: Anthony P. Stanton — *Dynix:* — *Series:*
Publish.: GATF — *Call No.:*
- place: — *ISBN:* 883623773
- date: 2001 — *Shelf* — *Year:* 2001
Desc: 48 p. 8.5 x 11 Paperback — *Price:* $63.50
Subject: Printing Technology - Experimental Design and Analysis - Inks and Coatings

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Title	Location	Edition / Series / Misc.

1082 **Interfacial Aspects Multicomponent Polymer Materials**
Edition:
Author: *Dynix:* *Series:*
Publish.: Plenum Press *Call No.:*
- place: *ISBN:* 306457180
- date: 1997 *Shelf* *Year:* 1997
Desc: 309 p. 6.5 x 9.5 Hardcover *Price:* $158.50
Subject: Polymer Surface Chemistry - Composites, Laminates, and Fibers - Interfacial Engineering and Surface Science - Polymer Science

1247 **Interfacial Dynamics**
Edition:
Author: Nikola Kallay, ed. *Dynix:* *Series:*
Publish.: Marcel Dekker *Call No.:*
- place: *ISBN:* 824700066
- date: 2000 *Shelf* *Year:* 2000
Desc: 750 p. 7 x 10 Hardcover *Price:* $168.50
Subject: Interfacial Engineering and Surface Science - Polymer Surface Chemistry - Printing Technology

1399 **Interfacial Electrochemistry: Theory, Experiment, and Applications**
Edition:
Author: Andrzej Wieckowski, ed. *Dynix:* *Series:*
Publish.: Marcel Dekker *Call No.:*
- place: *ISBN:* 82476000
- date: 1999 *Shelf* *Year:* 1999
Desc: 992 p. 8.5 x 11 Hardcover *Price:* $198.50
Subject: Interfacial Engineering and Surface Science - Colloids and Emulsions - Materials Science - Polymer Surface Chemistry

1081 **Interfacial Phenomena and Bioproducts**
Edition:
Author: John L. Brash and Peter W. Wojciechowski, eds. *Dynix:* *Series:*
Publish.: Marcel Dekker *Call No.:*
- place: *ISBN:* 824796519
- date: 1996 *Shelf* *Year:* 1996
Desc: 521 p. 6 x 9 Hardcover *Price:* $123.50
Subject: Biopolymers and Medical Applications - Colloids and Emulsions - Interfacial Engineering and Surface Science

1471 **Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)**
Edition:
Author: Jane Frommer and Rene M. Overney, eds. *Dynix:* *Series:*
Publish.: American Chemical Society *Call No.:*
- place: *ISBN:* 841236917
- date: 2001 *Shelf* *Year:* 2001
Desc: 360 p. 6 x 9 Hardcover *Price:* $103.50
Subject: Interfacial Engineering and Surface Science - Materials Science - Surface Characterization and Analysis

1502 **Interfacial Supramolecular Assemblies**
Edition:
Author: Johannes G. Vos, Robert J. Forster, and Tia E. Keyes *Dynix:* *Series:*
Publish.: John Wiley & Sons *Call No.:*
- place: *ISBN:* 471490717
- date: 2003 *Shelf* *Year:* 2003
Desc: 328 p. 7.4 x 9.7 Hardcover *Price:* $196.50
Subject: Interfacial Engineering and Surface Science - Recommend this Site

1548 **Intermolecular & Surface Forces, 3rd Ed.**
Edition:
Author: Jacob N. Israelachvili *Dynix:* *Series:*
Publish.: Academic Press *Call No.:*
- place: *ISBN:* 0123751829
- date: 2003 *Shelf* *Year:* 2003
Desc: 600 p., 6 x 9 Hardcover *Price:* $61.50
Subject: Interfacial Engineering and Surface Science

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Title	Location	Edition / Series / Misc.

1231 **Introduction to Composite Materials, 2nd Ed.**
Author: D. Hull and T.W. Clyne
Publish.: Cambridge University Press
- place:
- date: 1996
Desc: 342 p. 6 x 9 Paperback
Subject: Composites, Laminates, and Fibers - Materials Science - Wear, Weathering, and Tribology
Dynix:
Call No.:
ISBN: 521388554
Shelf
Edition:
Series:
Year: 1996
Price: $41.50

1105 **Introduction to Composites, 4th Ed.**
Author: Tara E. Miller, ed.
Publish.: Composites Institute
- place:
- date: 1998
Desc: 100 p. 6 x 9 Paperback
Subject: Composites, Laminates, and Fibers - Materials Science
Dynix:
Call No.:
ISBN: 1566766591
Shelf
Edition:
Series:
Year: 1998
Price: $53.50

1253 **Introduction to Densitometry: A User's Guide to Print Production Measurement Using Densit**
Author: Peter Brehm
Publish.: Graphic Communication Association
- place:
- date: 1999
Desc: 100 p. 7 x 10 Paperback
Subject: QA/QC, Statistics, and Testing - Color Theory, Testing, and Analysis - Printing Technology
Dynix:
Call No.:
ISBN: 933505116
Shelf
Edition:
Series:
Year: 1999
Price: $23.50

1572 **Introduction to Polymers and Resins, 2nd Edition**
Author:
Publish.: FSCT
- place:
- date:
Desc: 60 pages, soft cover
Subject: Fundamentals
Dynix:
Call No.:
ISBN: 0934010285
Shelf
Edition: 2nd Editio
Series:
Year:
Price: $30.00

1573 **Introduction to Quality Control Testing Video**
Author: Pacific Northwest Society for Coatings Technology
Publish.: FSCT
- place:
- date:
Desc: VHS format
Subject: Training Videos
Dynix:
Call No.:
ISBN:
Shelf
Edition:
Series:
Year:
Price: $135.00

1497 **Introduction to Surface Analysis by XPS and AES**
Author: John F. Watts and John Wolstenholme
Publish.: John Wiley & Sons
- place:
- date: 2003
Desc: 224 p. 6 x 9 Paperback
Subject: Surface Characterization and Analysis - Recommend this Site
Dynix:
Call No.:
ISBN: 470847131
Shelf
Edition:
Series:
Year: 2003
Price: $46.50

1534 **Introduction to Thermal Analysis: Techniques and Applications, 2nd Ed.**
Author: Michael E. Brown
Publish.: Kluwer Academic
- place:
- date: 2001
Desc: 276 p. 6.3 x 9.5 Paperback
Subject: Materials Science - Experimental Design and Analysis
Dynix:
Call No.:
ISBN: 1402004729
Shelf
Edition:
Series:
Year: 2001
Price: $58.50

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Title	Location	Edition / Series / Misc.

1418 **Introduction to Tribology**

Author: Bharat Bhushan
Publish.: John Wiley & Sons
- place:
- date: 2002
Desc: 752 p. 6 x 9 Hardcover
Subject: Wear, Weathering, and Tribology - Recommend this Site

Dvnix:
Call No.:
ISBN: 471158933
Shelf

Edition:
Series:
Year: 2002
Price: $108.50

1186 **Inventor's Notebook, 3rd Ed.**

Author: Fred Grissom and David Pressman
Publish.: Nolo Press
- place:
- date: 2000
Desc: 224 p. 8.5 x 11 Paperback
Subject: Patents and Intellectual Property - General Reference

Dvnix:
Call No.:
ISBN: 873375998
Shelf

Edition:
Series:
Year: 2000
Price: $8.50

1436 **Ionic Liquids in Synthesis**

Author: Peter Wasserscheid and Tom Welton, eds.
Publish.: Wiley - VCH
- place:
- date: 2003
Desc: 380 p. 9.4 x 0 Hardcover
Subject: Solubility and Surfactants - General Reference - Health, Safety, and the Environment

Dvnix:
Call No.:
ISBN: 3527305157
Shelf

Edition:
Series:
Year: 2003
Price: $155.00

1269 **Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol.**

Author: Judit E. Puskas, ed.
Publish.: Kluwer Academic
- place:
- date: 1999
Desc: 404 p. 6.3 x 9.5 Paperback
Subject: Polymer Science - Recommend this Site

Dvnix:
Call No.:
ISBN: 792358120
Shelf

Edition:
Series:
Year: 1999
Price: $75.00

1574 **ISO 9000 Guidelines for the Chemical & Process Industries**

Author:
Publish.: ASQC
- place:
- date: 1996
Desc: 150 pages, soft cover.
Subject: Quality Assurance

Dvnix:
Call No.:
ISBN: 0873893522
Shelf

Edition:
Series:
Year: 1996
Price: $36.00

1575 **ISO 9000 Implementation for Small Businesses**

Author:
Publish.: ASQC
- place:
- date: 1996
Desc: 209 pages, hardbound
Subject: Quality Assurance

Dvnix:
Call No.:
ISBN: 0873893506
Shelf

Edition:
Series:
Year: 1996
Price: $42.00

1552 **Joining of Plastics: Handbook for Designers and Engineers, 2nd Ed.**

Author: Jordan Rotheiser
Publish.: Hanser Gardner
- place:
- date: 2004
Desc: 6.5 x 9.5 Hardcover
Subject: Plastics Processing Technology

Dvnix:
Call No.:
ISBN: 1569903549
Shelf

Edition:
Series:
Year: 2004
Price: $123.50

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Title	Location	Edition / Series / Misc.

1075 **Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique**
Author: Garv S. Covne
Publish.: Wilev - Interscience
- place:
- date: 1997
Desc: 572 p. 7 x 10 Hardcover
Subject: General Reference - Health. Safetv. and the Environment
Dvnix:
Call No.:
ISBN: 471184225
Shelf
Edition:
Series:
Year: 1997
Price: $78.50

1294 **Laboratory Health & Safety Dictionary**
Author: W. Carl Gottschall and Douglas B. Walters
Publish.: John Wilev & Sons
- place:
- date: 2001
Desc: 468 p. 6 x 9 Paperback
Subject: Health. Safetv. and the Environment - Recommend this Site
Dvnix:
Call No.:
ISBN: 471283177
Shelf
Edition:
Series:
Year: 2001
Price: $53.50

1500 **Laboratory Quality Assurance System: A Manual of Quality Procedures and Forms, 3rd Ed.**
Author: Thomas A. Ratliff
Publish.: Wilev - Interscience
- place:
- date: 2003
Desc: 244 p. 8.5 x 11 Paperback with CD-ROM
Subject: QA/QC. Statistics. and Testing - Recommend this Site
Dvnix:
Call No.:
ISBN: 471269182
Shelf
Edition:
Series:
Year: 2003
Price: $88.50

1191 **Lattice Models of Polymers**
Author: Carlo Vanderzande
Publish.: Cambridge University Press
- place:
- date: 1998
Desc: 232 p. 6 x 9 Paperback
Subject: Polvmer Science - Polvmer Surface Chemistrv
Dvnix:
Call No.:
ISBN: 521559936
Shelf
Edition:
Series:
Year: 1998
Price: $28.50

1576 **Let's Work Smarter, Not Harder**
Author:
Publish.:
- place:
- date: 1997
Desc: 280 pages. hardbound.
Subject: Quality Assurance
Dvnix:
Call No.:
ISBN: 0873893867
Shelf
Edition:
Series:
Year: 1997
Price: $36.00

1433 **Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120**
Author: T. Nvlander and B. Lindman. eds.
Publish.: Springer
- place:
- date: 2002
Desc: 108 p. 8.2 x 10.8 Hardcover
Subject: Polvmer Science - Recommend this Site
Dvnix:
Call No.:
ISBN: 3540430016
Shelf
Edition:
Series:
Year: 2002
Price: $56.50

1286 **Liquid Composite Molding**
Author: Richard S. Parnas
Publish.: Hanser Gardner
- place:
- date: 2000
Desc: 180 p. 6.5 x 9.5 Hardcover with CD-ROM
Subject: Composites. Laminates. and Fibers - Materials Science
Dvnix:
Call No.:
ISBN: 1569902879
Shelf
Edition:
Series:
Year: 2000
Price: $81.50

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Title	Location	Edition / Series / Misc.

1178 **Liquid Film Coating: Scientific Principles and Their Technological Implications**
Author: Stephan F. Kistler and Peter M. Schweizer, eds.
Publish.: Chapman & Hall
- place:
- date: 1997
Desc: 795 p. 7.5 x 9.5 Hardcover
Subject: Coating Processes - Colloids and Emulsions - Experimental Design and Analysis
Dynix:
Call No.:
ISBN: 412064812
Shelf
Edition:
Series:
Year: 1997
Price: $311.50

1257 **Liquid Interfaces in Chemistry and Biology**
Author:
Publish.: Wiley - Interscience
- place:
- date: 1998
Desc: 562 p. 6 x 9 Hardcover
Subject: Interfacial Engineering and Surface Science - Biopolymers and Medical Applications - Solubility and Surfactants -
Dynix:
Call No.:
ISBN: 471148725
Shelf
Edition:
Series:
Year: 1998
Price: $111.50

1202 **Lithographers Manual, 9th Ed.**
Author: Thomas M. Destree, ed.
Publish.: GATF
- place:
- date: 1994
Desc: 420 p. 8.5 x 11 Hardcover
Subject: Printing Technology - Color Theory, Testing, and Analysis
Dynix:
Call No.:
ISBN: 88362169
Shelf
Edition:
Series:
Year: 1994
Price: $58.50

1339 **Low Temperature Plasma Physics: Fundamental Aspects and Applications**
Author:
Publish.: Wiley - VCH
- place:
- date: 2001
Desc: 530 p. 6.5 x 9.5 Hardcover
Subject: Materials Science - Interfacial Engineering and Surface Science - Polymer Surface Modification
Dynix:
Call No.:
ISBN: 3527288872
Shelf
Edition:
Series:
Year: 2001
Price: $193.50

1017 **Lubricating Polymer Surfaces**
Author: Yoshito Ikada and Yoshikimi Uyama
Publish.: Technomic
- place:
- date: 1993
Desc: 184 p. 6 x 9 Paperback
Subject: Polymer Surface Chemistry - Polymer Surface Modification - Wear, Weathering, and Tribology
Dynix:
Call No.:
ISBN: 1566760135
Shelf
Edition:
Series:
Year: 1993
Price: $61.50

1475 **Magnetic Resonance in Colloid and Interface Science (NATO Science Series II, Vol. 76)**
Author: Jacques P. Fraissard and Olga Lapina, eds.
Publish.: Kluwer Academic
- place:
- date: 2002
Desc: 676 p. 6.3 x 9.5 Paperback
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science
Dynix:
Call No.:
ISBN: 1402007876
Shelf
Edition:
Series:
Year: 2002
Price: $78.50

1179 **Manual of Plastics Analysis**
Author: T.R. Crompton
Publish.: Plenum Press
- place:
- date: 1998
Desc: 524 p. 6.5 x 9.8 Hardcover
Subject: Experimental Design and Analysis - Polymer Characterization - Polymer Science -
Dynix:
Call No.:
ISBN: 306459124
Shelf
Edition:
Series:
Year: 1998
Price: $168.50

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Title	Location	Edition / Series / Misc.

1014 **Materials Science of Polymers for Engineers, 2nd Ed.**
Author: Tim A. Osswald and Georg Menges
Publish.: Hanser Gardner
- place:
- date: 2003
Desc: 640 p. 6.3 x 9 Hardcover
Subject: Materials Science - Polymer Characterization - Polymer Science
Dynix:
Call No.:
ISBN: 1569903484
Shelf
Edition:
Series:
Year: 2003
Price: $73.50

1270 **Mechanical Properties and Testing of Polymers: An A - Z Reference**
Author: G.M. Swallowe. ed.
Publish.: Kluwer Academic
- place:
- date: 1999
Desc: 314 p. 6 x 9 Hardcover
Subject: Polymer Characterization - Plastics Processing Technology - Polymer Science - QA/QC. Statistics. and Testing
Dynix:
Call No.:
ISBN: 412801701
Shelf
Edition:
Series:
Year: 1999
Price: $141.50

1046 **Mechanics of Rollers**
Author: David R. Roisum
Publish.: TAPPI Press
- place:
- date: 1996
Desc: 317 p. 7 x 10 Paperback
Subject: Converting Technology - Coating Processes - Extrusion - Plastic Films
Dynix:
Call No.:
ISBN: 898523133
Shelf
Edition:
Series:
Year: 1996
Price: $71.50

1111 **Mechanics of Web Handling**
Author: David R. Roisum
Publish.: TAPPI Press
- place:
- date: 1998
Desc: 233 p. 7 x 10 Paperback
Subject: Converting Technology - Coating Processes - Extrusion - Packaging Technology
Dynix:
Call No.:
ISBN: 89852346
Shelf
Edition:
Series:
Year: 1998
Price: $83.50

1047 **Mechanics of Winding**
Author: David R. Roisum
Publish.: TAPPI Press
- place:
- date: 1994
Desc: 247 p. 7 x 10 Paperback
Subject: Converting Technology - Composites. Laminates. and Fibers - Extrusion - Plastic Films
Dynix:
Call No.:
ISBN: 898522811
Shelf
Edition:
Series:
Year: 1994
Price: $75.00

1144 **Medical Device Packaging Handbook**
Author: Max Sherman. ed.
Publish.: Marcel Dekker
- place:
- date: 1998
Desc: 410 p. 6 x 9 Hardcover
Subject: Packaging Technology - Biopolymers and Medical Applications - Converting Technology - Health. Safety. and the Environment
Dynix:
Call No.:
ISBN: 824701992
Shelf
Edition:
Series:
Year: 1998
Price: $153.50

1334 **Medical Device Reliability and Associated Areas**
Author: B.S. Dhillion
Publish.: CRC Press
- place:
- date: 2000
Desc: 256 p. 6 x 9 Hardcover
Subject: Biopolymers and Medical Applications - QA/QC. Statistics. and Testing
Dynix:
Call No.:
ISBN: 849303125
Shelf
Edition:
Series:
Year: 2000
Price: $108.50

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Title	Location	Edition / Series / Misc.

1104 Medical Plastics: Degradation Resistance & Failure Analysis — Edition:

Author: Robert C. Portnoy, ed. | Dynix: | Series:
Publish.: Plastics Design Library | Call No.:
- place: | ISBN: 188420760
- date: 1998 | Shelf | Year: 1998
Desc: 220 p. 7 x 8.5 Hardcover | Price: $118.50
Subject: Biopolymers and Medical Applications - Packaging Technology - Plastics Processing Technology - QA/QC, Statistics, and Testing

1355 Metallic Pigments in Polymers — Edition:

Author: Ian Wheeler | Dynix: | Series:
Publish.: Rapra | Call No.:
- place: | ISBN: 1859571662
- date: 1999 | Shelf | Year: 1999
Desc: 248 p. 7.2 x 9.7 Hardcover | Price: $141.50
Subject: Pigments, Dyes, and Colorants - Recommend this Site

1426 Metallization of Polymers 2 — Edition:

Author: Edward Sacher, ed. | Dynix: | Series:
Publish.: Plenum Press | Call No.:
- place: | ISBN: 306472538
- date: 2002 | Shelf | Year: 2002
Desc: 216 p. 6.5 x 9.7 Hardcover | Price: $146.50
Subject: Polymer Surface Modification - Coating Processes - Surface Characterization and Analysis

1392 Metallized Plastics 5 & 6: Fundamental and Applied Aspects — Edition:

Author: K.L. Mittal, ed. | Dynix: | Series:
Publish.: VSP | Call No.:
- place: | ISBN: 9067642908
- date: 1998 | Shelf | Year: 1998
Desc: 448 p. 6.6 x 9.8 Hardcover | Price: $108.50
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating Processes -

1384 Metallized Plastics 7: Fundamental and Applied Aspects — Edition:

Author: K.L. Mittal, ed. | Dynix: | Series:
Publish.: VSP | Call No.:
- place: | ISBN: 9067643408
- date: 2001 | Shelf | Year: 2001
Desc: 316 p. 6.2 x 9.4 Paperback | Price: $105.00
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating Processes - Materials Science

1138 Metallized Plastics: Fundamentals and Applications — Edition:

Author: K.L. Mittal, ed. | Dynix: | Series:
Publish.: Marcel Dekker | Call No.:
- place: | ISBN: 824799259
- date: 1998 | Shelf | Year: 1998
Desc: 392 p. 6 x 9 Hardcover | Price: $158.50
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating Processes - Converting Technology

1204 Metallocene Technology in Commercial Applications — Edition:

Author: George M. Benedikt, ed. | Dynix: | Series:
Publish.: Plastics Design Library | Call No.:
- place: | ISBN: 1884207766
- date: 1999 | Shelf | Year: 1999
Desc: 321 p. 7 x 8.5 Hardcover | Price: $118.50
Subject: Plastics Processing Technology - Extrusion - Plastic Films

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Title	Location	Edition / Series / Misc.

1368 **Metallocene-Based Polyolefins: Preparation, Properties and Technology**

Author: John Scheirs and Walter Kaminsky, eds.
Publish.: John Wiley & Sons
- place:
- date: 2000
Desc: 1150 p. 6 x 9 Hardcover
Subject: Polymer Science - Plastic Films - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 471980862
Shelf

Edition:
Series:
Year: 2000
Price: $558.50

1103 **Metallocene-Catalyzed Polymers: Materials, Properties, Processing & Markets**

Author: George M. Benedikt and Brian L. Goodall, eds.
Publish.: Plastics Design Library
- place:
- date: 1998
Desc: 396 p. 7 x 8.5 Hardcover
Subject: Plastics Processing Technology - Extrusion - Plastic Films - Polymer Science

Dynix:
Call No.:
ISBN: 1884207596
Shelf

Edition:
Series:
Year: 1998
Price: $118.50

1296 **Microhardness of Polymers**

Author: F.J. Balta Calleja and S. Fakirov
Publish.: Cambridge University Press
- place:
- date: 2000
Desc: 262 p. 6.8 x 9.6 Hardcover
Subject: Polymer Science - Polymer Characterization

Dynix:
Call No.:
ISBN: 521642183
Shelf

Edition:
Series:
Year: 2000
Price: $78.50

1225 **Microstructural Characterisation of Fibre-Reinforced Composites**

Author: John Summerscales, ed.
Publish.: CRC Press
- place:
- date: 1998
Desc: 334 p. 6 x 9 Hardcover
Subject: Composites, Laminates, and Fibers - Polymer Characterization - Textiles and Nonwovens

Dynix:
Call No.:
ISBN: 849338824
Shelf

Edition:
Series:
Year: 1998
Price: $178.50

1003 **Modern Approaches to Wettability: Theory and Applications**

Author: Malcolm E. Schrader and George I. Loeb, eds.
Publish.: Plenum Press
- place:
- date: 1992
Desc: 474 p. 6.5 x 10 Hardcover
Subject: Polymer Surface Chemistry - Coating Processes - Colloids and Emulsions - Interfacial Engineering and Surface Science

Dynix:
Call No.:
ISBN: 306439859
Shelf

Edition:
Series:
Year: 1992
Price: $165.00

1220 **Modern Aspects of Emulsion Science**

Author: Bernard P. Binks, ed.
Publish.: Royal Society of Chemistry
- place:
- date: 1998
Desc: 442 p. 6 x 9 Hardcover
Subject: Colloids and Emulsions - Paints and Protective Coatings - Solubility and Surfactants

Dynix:
Call No.:
ISBN: 854044396
Shelf

Edition:
Series:
Year: 1998
Price: $173.50

1227 **Modern Characterization Methods of Surfactant Systems**

Author: Bernard P. Binks, ed.
Publish.: Marcel Dekker
- place:
- date: 1999
Desc: 610 p. 6 x 9 Hardcover
Subject: Solubility and Surfactants - Colloids and Emulsions - QA/QC, Statistics, and Testing

Dynix:
Call No.:
ISBN: 824719786
Shelf

Edition:
Series:
Year: 1999
Price: $183.50

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Title	Location	Edition / Series / Misc.

1069 **Modern Coating & Drying Technology**
Author: Edward D. Cohen and Edgar B. Gutoff, eds. *Dynix:* *Edition:*
Publish.: Wiley - VCH *Call No.:* *Series:*
- place: *ISBN:* 471188069
- date: 1992 *Shelf* *Year:* 1992
Desc: 330 p, 7 x 10 Hardcover *Price:* $138.50
Subject: Coating Processes - Converting Technology - Inks and Coatings - Printing Technology

1540 **Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters**
Author: John Scheirs and Timothy E. Long, eds. *Dynix:* *Edition:*
Publish.: John Wiley & Sons *Call No.:* *Series:*
- place: *ISBN:* 471498564
- date: 2003 *Shelf* *Year:* 2003
Desc: 784 p, 6 x 9 Hardcover *Price:* $205.00
Subject: Polymer Science - Recommend this Site

1528 **Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers**
Author: John Scheirs and Duane B. Priddy, eds. *Dynix:* *Edition:*
Publish.: John Wiley & Sons *Call No.:* *Series:*
- place: *ISBN:* 471497525
- date: 2003 *Shelf* *Year:* 2003
Desc: 792 p, 6 x 9 Hardcover *Price:* $285.00
Subject: Polymer Science - Recommend this Site

1240 **Modern Techniques for Polymer Characterisation**
Author: R.A. Pethrick and J.V. Dawkins, eds. *Dynix:* *Edition:*
Publish.: John Wiley & Sons *Call No.:* *Series:*
- place: *ISBN:* 471960977
- date: 1999 *Shelf* *Year:* 1999
Desc: 410 p, 6 x 9 Hardcover *Price:* $306.50
Subject: Polymer Characterization - Biopolymers and Medical Applications - Polymer Science

1360 **Molecular Adhesion and Its Applications: The Sticky Universe**
Author: Kevin Kendall *Dynix:* *Edition:*
Publish.: Plenum Press *Call No.:* *Series:*
- place: *ISBN:* 306465205
- date: 2001 *Shelf* *Year:* 2001
Desc: 448 p, 6 x 9 Hardcover *Price:* $98.50
Subject: Adhesives and Adhesion - Recommend this Site

1492 **Molecular Organisation on Interfaces (Progress in Colloid and Polymer Science, Vol. 121)**
Author: G. Lagaly, ed. *Dynix:* *Edition:*
Publish.: Springer *Call No.:* *Series:*
- place: *ISBN:* 3540436375
- date: 2002 *Shelf* *Year:* 2002
Desc: 120 p, 8.3 x 11 Hardcover *Price:* $61.50
Subject: Interfacial Engineering and Surface Science - Recommend this Site

1473 **Motion of Bubbles and Drops in Reduced Gravity**
Author: R. Shankar Subramanian and R. Balasubramaniam *Dynix:* *Edition:*
Publish.: Cambridge University Press *Call No.:* *Series:*
- place: *ISBN:* 521496055
- date: 2001 *Shelf* *Year:* 2001
Desc: 488 p, 7 x 10 Hardcover *Price:* $85.00
Subject: Materials Science - Recommend this Site

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Title	Location	Edition / Series / Misc.

1458 **Mould Sticking, Fouling and Cleaning (Rapra Review Report 150)**
Author: David E. Packham
Publish.: Rapra
- place:
- date: 2002
Desc: 116 p. 8.5 x 11 Paperback
Subject: Plastics Processing Technology - Surface Characterization and Analysis
Dynix:
Call No.:
ISBN: 1859573576
Shelf
Edition:
Series:
Year: 2002
Price: $123.50

1482 **Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials**
Author: Gero Decher and Joseph B. Schlenoff, eds.
Publish.: Wiley - VCH
- place:
- date: 2003
Desc: 544 p. 6.5 x 9.5 Hardcover
Subject: Materials Science - Recommend this Site
Dynix:
Call No.:
ISBN: 3527304401
Shelf
Edition:
Series:
Year: 2003
Price: $193.50

1449 **Nano-Surface Chemistry**
Author: Morton Rosoff, ed.
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 692 p. 7 x 10 Hardcover
Subject: Surface Characterization and Analysis - Biopolymers and Medical Applications
Dynix:
Call No.:
ISBN: 824702549
Shelf
Edition:
Series:
Year: 2002
Price: $168.50

1476 **Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)**
Author:
Publish.: Kluwer Academic
- place:
- date: 2000
Desc: 392 p. 6.2 x 9.5 Paperback
Subject: Surface Characterization and Analysis - Coating Processes - Materials Science
Dynix:
Call No.:
ISBN: 792362667
Shelf
Edition:
Series:
Year: 2000
Price: $63.50

1059 **New Advances in Polyolefins**
Author: T.C. Chung, ed.
Publish.: Plenum Press
- place:
- date: 1993
Desc: 256 p. 6.5 x 9.8 Hardcover
Subject: Polymer Science - Composites, Laminates, and Fibers - Materials Science - Plastic Films
Dynix:
Call No.:
ISBN: 306445883
Shelf
Edition:
Series:
Year: 1993
Price: $108.50

1217 **New Materials Permeable to Water Vapor**
Author: Harro Traubel
Publish.: Springer
- place:
- date: 1999
Desc: 367 p. 6 x 9.2 Hardcover
Subject: Textiles and Nonwovens - Composites, Laminates, and Fibers - Inks and Coatings - Materials Science
Dynix:
Call No.:
ISBN: 3540649468
Shelf
Edition:
Series:
Year: 1999
Price: $108.50

1529 **New Product Development: From Initial Idea to Product Management**
Author: Marc A. Annacchino
Publish.: Elsevier
- place:
- date: 2003
Desc: 600 p. 7 x 9.2 Hardcover
Subject: General Reference - Recommend this Site
Dynix:
Call No.:
ISBN: 750677325
Shelf
Edition:
Series:
Year: 2003
Price: $71.50

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Title	Location	Edition / Series / Misc.

1127 **New Products and Applications in Surfactant Technology**
Author: David R. Karsa, ed.
Publish.: Sheffield Academic
- place:
- date: 1998
Desc: 245 p, 6 x 9 Hardcover
Subject: Solubility and Surfactants - Health, Safety, and the Environment
Dynix:
Call No.:
ISBN: 849397383
Shelf
Edition:
Series:
Year: 1998
Price: $98.50

1302 **NMR Spectra of Polymers and Polymer Additives**
Author: Anita J. Brandolini and Deborah D. Hills
Publish.: Marcel Dekker
- place:
- date: 2000
Desc: 640 p, 8.5 x 11 Hardcover
Subject: Polymer Characterization - Additives - Polymer Science
Dynix:
Call No.:
ISBN: 824789709
Shelf
Edition:
Series:
Year: 2000
Price: $165.00

1443 **NMR Spectroscopy of Polymers in Solution and in the Solid State (ACS Symposium Series 83**
Author: H.N. Cheng and Alan D. English, eds.
Publish.: American Chemical Society
- place:
- date: 2003
Desc: 460 p, 6 x 9 Hardcover
Subject: Polymer Characterization - Recommend this Site
Dynix:
Call No.:
ISBN: 841238081
Shelf
Edition:
Series:
Year: 2003
Price: $118.50

1422 **Non-Conventional Polymer Dispersions: 5th Bratislava International Conference on Polymers**
Author: Ignac Capek, ed.
Publish.: Wiley - VCH
- place:
- date: 2002
Desc: 374 p, 6 x 9 Hardcover
Subject: Polymer Science - Recommend this Site
Dynix:
Call No.:
ISBN: 352730469
Shelf
Edition:
Series:
Year: 2002
Price: $185.00

1494 **Noncontact Atomic Force Microscopy**
Author: S. Morita, R. Wiesendanger, and E. Meyer, eds.
Publish.: Springer
- place:
- date: 2002
Desc: 460 p, 6 x 9.2 Hardcover
Subject: Surface Characterization and Analysis - Recommend this Site
Dynix:
Call No.:
ISBN: 3540431179
Shelf
Edition:
Series:
Year: 2002
Price: $93.50

1090 **Nonionic Surfactants: Organic Chemistry**
Author: Nico M. van Os, ed.
Publish.: Marcel Dekker
- place:
- date: 1998
Desc: 305 p, 6 x 9 Hardcover
Subject: Solubility and Surfactants - Colloids and Emulsions - Polymer Surface Chemistry
Dynix:
Call No.:
ISBN: 824799976
Shelf
Edition:
Series:
Year: 1998
Price: $138.50

1468 **Novel Methods to Study Interfacial Layers**
Author: D. Mobius and R. Miller, eds.
Publish.: Elsevier
- place:
- date: 2001
Desc: 536 p, 6.5 x 9.5 Hardcover
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Dynix:
Call No.:
ISBN: 444509488
Shelf
Edition:
Series:
Year: 2001
Price: $176.50

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Title	Location	Edition / Series / Misc.

1119 **Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.**
Author: Krister Holmberg, ed. | *Dynix:* | *Edition:*
Publish.: Marcel Dekker | *Call No.:* | *Series:*
- place: | *ISBN:* 824743008
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 648 p, 6 x 9 Hardcover | *Price:* $168.50
Subject: Solubility and Surfactants - Health, Safety, and the Environment

1331 **Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)**
Author: | *Dynix:* | *Edition:*
Publish.: American Chemical Society | *Call No.:* | *Series:*
- place: | *ISBN:* 841236143
- date: 2000 | *Shelf* | *Year:* 2000
Desc: 216 p, 6 x 9 Hardcover | *Price:* $95.00
Subject: Polymer Science - Polymer Characterization

1261 **Optical Methods of Measurement: Wholefield Techniques**
Author: Rajpal S. Sirohi and Fook Siong Chau | *Dynix:* | *Edition:*
Publish.: Marcel Dekker | *Call No.:* | *Series:*
- place: | *ISBN:* 824760034
- date: 1999 | *Shelf* | *Year:* 1999
Desc: 338 p, 6 x 9 Hardcover | *Price:* $148.50
Subject: OA/OC, Statistics, and Testing - Recommend this Site

1450 **Organic Ion Radicals: Chemistry and Applications**
Author: Zory V. Todres | *Dynix:* | *Edition:*
Publish.: Marcel Dekker | *Call No.:* | *Series:*
- place: | *ISBN:* 824708105
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 456 p, 7 x 10 Hardcover | *Price:* $161.50
Subject: Solubility and Surfactants - Biopolymers and Medical Applications - Health, Safety, and the Environment

1577 **Organic Pigments, 3rd Ed.**
Author: | *Dynix:* | *Edition:* 3rd Edition
Publish.: FSCT | *Call No.:* | *Series:*
- place: | *ISBN:* 0934010358
- date: 2000 | *Shelf* | *Year:* 2000
Desc: 44 pages, soft cover | *Price:* $30.00
Subject: Raw Materials

1316 **Oxide Surfaces**
Author: James A. Wingrave, ed. | *Dynix:* | *Edition:*
Publish.: Marcel Dekker | *Call No.:* | *Series:*
- place: | *ISBN:* 824700007
- date: 2001 | *Shelf* | *Year:* 2001
Desc: 536 p, 7 x 10 Hardcover | *Price:* $158.50
Subject: Interfacial Engineering and Surface Science - Materials Science - Surface Characterization and Analysis

1165 **Packaging Designer's Book of Patterns, 2nd Ed.**
Author: Laszlo Roth and George L. Wybenga | *Dynix:* | *Edition:*
Publish.: John Wiley & Sons | *Call No.:* | *Series:*
- place: | *ISBN:* 471385042
- date: 2000 | *Shelf* | *Year:* 2000
Desc: 608 p, 8.5 x 11 Paperback | *Price:* $56.50
Subject: Packaging Conformance and Specifications - General Reference - Packaging: General Reference

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Title	Location	Edition / Series / Misc.

1097 **Packaging: Specifications, Purchasing, and Quality Control, 4th Ed.**
Author: Edmund A. Leonard
Publish.: Marcel Dekker
- place:
- date: 1996
Desc: 304 p. 6 x 9 Hardcover
Subject: Packaging Conformance and Specifications - Packaging: General Reference - QA/QC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 824797558
Shelf
Edition:
Series:
Year: 1996
Price: $98.50

1578 **Painting and Decorating Craftsman's Manual**
Author: 0915050005
Publish.: PDCA
- place:
- date: 1995
Desc: 362 pages, hardbound
Subject: Reference
Dynix:
Call No.:
ISBN: 0915050005
Shelf
Edition:
Series:
Year: 1995
Price: $154.00

1049 **Paper Coating Additives**
Author:
Publish.: TAPPI Press
- place:
- date: 1995
Desc: 150 p. 7 x 10 Hardcover
Subject: Additives - Inks and Coatings - Paper and Paperboard
Dynix:
Call No.:
ISBN: 898520614
Shelf
Edition:
Series:
Year: 1995
Price: $68.50

1141 **Particle and Surface Characterisation Methods**
Author: R.H. Muller and W. Mehnert, eds.
Publish.: CRC Press
- place:
- date: 1998
Desc: 280 p. Hardcover
Subject: Surface Characterization and Analysis - QA/QC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 3887630572
Shelf
Edition:
Series:
Year: 1998
Price: $58.50

1391 **Particles on Surfaces 5 & 6: Detection, Adhesion and Removal**
Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 1999
Desc: 362 p. 6.6 x 9.8 Hardcover
Subject: Interfacial Engineering and Surface Science - Adhesives and Adhesion - Materials Science -
Dynix:
Call No.:
ISBN: 9067643122
Shelf
Edition:
Series:
Year: 1999
Price: $125.00

1464 **Particles on Surfaces 7: Detection, Adhesion and Removal**
Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2002
Desc: 462 p. 6.2 x 9.4 Hardcover
Subject: Interfacial Engineering and Surface Science - Adhesives and Adhesion - Materials Science -
Dynix:
Call No.:
ISBN: 9067643726
Shelf
Edition:
Series:
Year: 2002
Price: $216.50

1407 **Particulate Fillers for Polymers (Rapra Review Report 141)**
Author: R.N. Rothon
Publish.: Rapra
- place:
- date: 2002
Desc: 160 p. 8.2 x 11.5 Paperback
Subject: Additives - Recommend this Site
Dynix:
Call No.:
ISBN: 185957310
Shelf
Edition:
Series:
Year: 2002
Price: $123.50

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Title	Location	Edition / Series / Misc.
1234 **Patent and Trademark Tactics and Practice, 3rd Ed.**		*Edition:*
Author: David A. Burge	*Dynix:*	*Series:*
Publish.: John Wiley & Sons	*Call No.:*	
- place:	*ISBN:* 471329320	
- date: 1999	*Shelf*	*Year:* 1999
Desc: 298 p. 6 x 9 Hardcover		*Price:* $61.50
Subject: Patents and Intellectual Property - Recommend this Site		
1036 **Patent Fundamentals for Scientists and Engineers, 2nd Ed.**		*Edition:*
Author: Thomas T. Gordon and Arthur S. Cookfair	*Dynix:*	*Series:*
Publish.: Lewis Publishers	*Call No.:*	
- place:	*ISBN:* 1566705177	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 168 p. 6 x 9 Paperback		*Price:* $48.50
Subject: Patents and Intellectual Property - Recommend this Site		
1185 **Patent Searching Made Easy: Patent Searches on the Internet and in the Library, 2nd Ed.**		*Edition:*
Author: D. Hitchcock	*Dynix:*	*Series:*
Publish.: Nolo Press	*Call No.:*	
- place:	*ISBN:* 873375548	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 192 p. 8.5 x 11 Paperback		*Price:* $15.00
Subject: Patents and Intellectual Property - Recommend this Site		
1337 **Patent Strategy: For Researchers and Research Managers, 2nd Ed.**		*Edition:*
Author: H. Jackson Knight	*Dynix:*	*Series:*
Publish.: John Wiley & Sons	*Call No.:*	
- place:	*ISBN:* 471492612	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 220 p. 6 x 9 Paperback		*Price:* $53.50
Subject: Patents and Intellectual Property - General Reference		
1187 **Patent, Copyright and Trademark, 5th Ed.**		*Edition:*
Author: Stephen R. Elias	*Dynix:*	*Series:*
Publish.: Nolo Press	*Call No.:*	
- place:	*ISBN:* 873378482	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 512 p. 7 x 9 Paperback		*Price:* $18.50
Subject: Patents and Intellectual Property - General Reference		
1297 **Performance of Plastics**		*Edition:*
Author: Witold Brostow, ed.	*Dynix:*	*Series:*
Publish.: Hanser Gardner	*Call No.:*	
- place:	*ISBN:* 1569902771	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 710 p. 6.5 x 9.5 Hardcover		*Price:* $158.50
Subject: Plastics Processing Technology - Composites, Laminates, and Fibers - Polymer Science -		
1027 **Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrie**		*Edition:*
Author: Liesl K. Massey	*Dynix:*	*Series:*
Publish.: Plastics Design Library	*Call No.:*	
- place:	*ISBN:* 1884207979	
- date: 2003	*Shelf*	*Year:* 2003
Desc: 616 p. 8.5 x 11 Hardcover		*Price:* $205.00
Subject: Polymer Characterization - Materials Science - Packaging Technology - Plastic Films		

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Title	Location	Edition / Series / Misc.

1469 **Permeation through Polymers for Process Industry Applications**
Edition:
Author: Robert P. Campion — *Dynix:* — *Series:*
Publish.: Materials Technology Institute — *Call No.:*
- place: — *ISBN:* 444500529
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 160 p. 6 x 9 Hardcover — *Price:* $83.50
Subject: Polymer Surface Chemistry - Interfacial Engineering and Surface Science - Materials Science - Solubility and Surfactants

1235 **Photogeneration of Reactive Species for UV Curing**
Edition:
Author: Cliff G. Roffey — *Dynix:* — *Series:*
Publish.: John Wiley & Sons — *Call No.:*
- place: — *ISBN:* 471941778
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 882 p. 6 x 9 Hardcover — *Price:* $345.00
Subject: Curing and Photopolymerization Processes - Adhesives and Adhesion - Coating Processes - Health, Safety, and the Environment

1356 **Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)**
Edition:
Author: J.P. Fouassier — *Dynix:* — *Series:*
Publish.: Rapra — *Call No.:*
- place: — *ISBN:* 1859571301
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 156 p. 8.5 x 11 Paperback — *Price:* $105.00
Subject: Curing and Photopolymerization Processes - Inks and Coatings - Polymer Characterization - Polymer Science

1513 **Photoinitiated Polymerization (ACS Symposium Series 847)**
Edition:
Author: Kevin D. Belfield and James V. Crivello, eds. — *Dynix:* — *Series:*
Publish.: American Chemical Society — *Call No.:*
- place: — *ISBN:* 841238138
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 580 p. 6 x 9 Hardcover — *Price:* $133.50
Subject: Curing and Photopolymerization Processes - Polymer Science

1285 **Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications**
Edition:
Author: Jean-Pierre Fouassier — *Dynix:* — *Series:*
Publish.: Hanser Gardner — *Call No.:*
- place: — *ISBN:* 1569901465
- date: 1995 — *Shelf* — *Year:* 1995
Desc: 388 p. 6.5 x 9.5 Hardcover — *Price:* $138.50
Subject: Curing and Photopolymerization Processes - Coating Processes - Polymer Science

1263 **Physical Chemistry of Biological Interfaces**
Edition:
Author: Adam Baszkin and Willem Norde, eds. — *Dynix:* — *Series:*
Publish.: Marcel Dekker — *Call No.:*
- place: — *ISBN:* 824775813
- date: 2000 — *Shelf* — *Year:* 2000
Desc: 846 p. 7 x 10 Hardcover — *Price:* $213.50
Subject: Biopolymers and Medical Applications - Colloids and Emulsions - Interfacial Engineering and Surface Science -

1517 **Physical Chemistry of Polymer Rheology**
Edition:
Author: Junji Furukawa — *Dynix:* — *Series:*
Publish.: Springer — *Call No.:*
- place: — *ISBN:* 3540000534
- date: 2003 — *Shelf* — *Year:* 2003
Desc: 294 p. 6.1 x 9.2 Hardcover — *Price:* $86.50
Subject: Polymer Science - Recommend this Site

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Title	Location	Edition / Series / Misc.

1002 **Physical Chemistry of Surfaces, 6th Ed.**
Author: Arthur W. Adamson and Alice P. Gast
Publish.: Wiley - Interscience
- place:
- date: 1997
Desc: 808 p. 6 x 9 Hardcover
Subject: Interfacial Engineering and Surface Science - Polymer Surface Chemistry - Polymer Surface Modification -
Dynix:
Call No.:
ISBN: 471148733
Shelf
Edition:
Series:
Year: 1997
Price: $91.50

1453 **Physical Properties of Lipids**
Author: Alejandro Marangoni and Suresh Narine, eds.
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 600 p. 6 x 9 Hardcover
Subject: Colloids and Emulsions - Recommend this Site
Dynix:
Call No.:
ISBN: 824700058
Shelf
Edition:
Series:
Year: 2002
Price: $161.50

1161 **Physical Testing of Textiles**
Author: B.P. Saville
Publish.: Woodhead
- place:
- date: 1999
Desc: 326 p. 6 x 9 Hardcover
Subject: Textiles and Nonwovens - QA/QC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 849305683
Shelf
Edition:
Series:
Year: 1999
Price: $151.50

1417 **Physical Vapor Deposition of Thin Films**
Author: John E. Mahan
Publish.: Wiley - Interscience
- place:
- date: 2000
Desc: 326 p. 6 x 9 Hardcover
Subject: Coating Processes - Materials Science
Dynix:
Call No.:
ISBN: 471330019
Shelf
Edition:
Series:
Year: 2000
Price: $91.50

1537 **Physics and Chemistry of Interfaces**
Author: Hans-Jurgen Butt, Karlheinz Graf, and Michael Kappl
Publish.: Wiley - VCH
- place:
- date: 2003
Desc: 372 p. 6.5 x 9.5 Paperback
Subject: Interfacial Engineering and Surface Science - Surface Characterization and Analysis
Dynix:
Call No.:
ISBN: 3527404139
Shelf
Edition:
Series:
Year: 2003
Price: $48.50

1078 **Pigments for Paper**
Author: Robert W. Hagemeyer, ed.
Publish.: TAPPI Press
- place:
- date: 1997
Desc: 271 p. 6 x 9 Hardcover
Subject: Pigments, Dyes, and Colorants - Coating Processes - Color Theory, Testing, and Analysis - Paper and Paperboard
Dynix:
Call No.:
ISBN: 898520649
Shelf
Edition:
Series:
Year: 1997
Price: $116.50

1233 **Plantwide Process Control**
Author: Kelvin T. Erickson and John L. Hedrick
Publish.: Wiley - Interscience
- place:
- date: 1999
Desc: 560 p. 7 x 10 Hardcover
Subject: General Reference - Paper and Paperboard - QA/QC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 471178357
Shelf
Edition:
Series:
Year: 1999
Price: $98.50

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Title	Location	Edition / Series / Misc.

1177 Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)

Author:
Publish.: Kluwer Academic
- place:
- date: 1997
Desc: 542 p. 6.5 x 9.5 Hardcover
Subject: Polymer Surface Modification - Biopolymers and Medical Applications - Interfacial Engineering and Surface Science -

Dynix:
Call No.:
ISBN: 792348591
Shelf

Edition:
Series:
Year: 1997
Price: $343.50

1019 Plasma Surface Modification and Plasma Polymerization

Author: N. Inagaki
Publish.: Technomic
- place:
- date: 1996
Desc: 276 p. 6 x 9 Hardcover
Subject: Polymer Surface Modification - Polymer Surface Chemistry

Dynix:
Call No.:
ISBN: 1566763371
Shelf

Edition:
Series:
Year: 1996
Price: $103.50

1397 Plasma Surface Modification of Polymers: Relevance to Adhesion

Author: M. Strobel, C.S. Lyons, and K.L. Mittal, eds.
Publish.: VSP
- place:
- date: 1994
Desc: 300 p. 6.2 x 9.4 Hardcover
Subject: Polymer Surface Modification - Adhesives and Adhesion - Plastic Films - Polymer Surface Chemistry

Dynix:
Call No.:
ISBN: 9067641642
Shelf

Edition:
Series:
Year: 1994
Price: $95.00

1441 Plastic Film and Foil Web Handling Guide

Author: William E. Hawkins
Publish.: CRC Press
- place:
- date: 2003
Desc: 192 p. 6 x 9 Hardcover
Subject: Converting Technology - Extrusion - Packaging Technology - Plastic Films

Dynix:
Call No.:
ISBN: 1587161524
Shelf

Edition:
Series:
Year: 2003
Price: $88.50

1000 Plastic Films: Technology and Packaging Applications

Author: Kenton R. Osborne and Wilmer A. Jenkins
Publish.: Technomic
- place:
- date: 1992
Desc: 258 p. 6 x 9 Hardcover
Subject: Plastic Films - Converting Technology - Extrusion - Packaging Technology

Dynix:
Call No.:
ISBN: 877628432
Shelf

Edition:
Series:
Year: 1992
Price: $71.50

1283 Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, a

Author: O.-G. Piringer and A.L. Baner, eds.
Publish.: Wiley - VCH
- place:
- date: 2000
Desc: 610 p. 6.5 x 9.5 Hardcover
Subject: Packaging Technology - Packaging Conformance and Specifications - Polymer Science

Dynix:
Call No.:
ISBN: 3527288686
Shelf

Edition:
Series:
Year: 2000
Price: $246.50

1056 Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)

Author: A.S. Wilson
Publish.: Rapra
- place:
- date: 1995
Desc: 108 p. 8.5 x 11 Paperback
Subject: Additives - Health, Safety, and the Environment - Polymer Science

Dynix:
Call No.:
ISBN: 1859570614
Shelf

Edition:
Series:
Year: 1995
Price: $121.50

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Title	Location	Edition / Series / Misc.

1016 **Plastics Additives Handbook, 5th Ed.**
Author: Hans Zweifel. ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Desc: 1184 p. 5.7 x 8.2 Hardcover
Subject: Additives - Polymer Science
Dynix:
Call No.:
ISBN: 156990295
Shelf
Edition:
Series:
Year: 2001
Price: $115.00

1327 **Plastics Additives, 3rd Ed. [Vol 2: An Industry Guide]**
Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 2001
Desc: 270 p. 6 x 9 Hardcover
Subject: Additives - Recommend this Site
Dynix:
Call No.:
ISBN: 815514727
Shelf
Edition:
Series:
Year: 2001
Price: $71.50

1328 **Plastics Additives, 3rd Ed. [Vol 3: An Industry Guide]**
Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 2001
Desc: 160 p. 6 x 9 Hardcover
Subject: Additives - Recommend this Site
Dynix:
Call No.:
ISBN: 815514700
Shelf
Edition:
Series:
Year: 2001
Price: $68.50

1176 **Plastics Additives: An A - Z Reference**
Author: Geoffrey Pritchard. ed.
Publish.: Chapman & Hall
- place:
- date: 1998
Desc: 656 p. 6 x 9 Hardcover
Subject: Additives - Health, Safety, and the Environment - Polymer Science
Dynix:
Call No.:
ISBN: 41272720
Shelf
Edition:
Series:
Year: 1998
Price: $213.50

1077 **Plastics Extrusion Technology, 2nd Ed.**
Author: Friedhelm Hensen
Publish.: Hanser Gardner
- place:
- date: 1997
Desc: 674 p. 6.5 x 9.5 Hardcover
Subject: Extrusion - Coating Processes - Composites, Laminates, and Fibers - Plastic Films
Dynix:
Call No.:
ISBN: 1569902259
Shelf
Edition:
Series:
Year: 1997
Price: $185.00

1325 **Plastics Failure Analysis and Prevention**
Author: John Moalli. ed.
Publish.: Plastics Design Library
- place:
- date: 2001
Desc: 400 p. 7 x 8.5 Hardcover
Subject: Wear, Weathering, and Tribology - Plastics Processing Technology - QA/QC, Statistics, and Testing
Dynix:
Call No.:
ISBN: 1884207928
Shelf
Edition:
Series:
Year: 2001
Price: $118.50

1284 **Plastics Packaging: Properties, Processing, Applications, and Regulations**
Author:
Publish.: Hanser Gardner
- place:
- date: 2000
Desc: 442 p. 6.5 x 9.5 Hardcover
Subject: Packaging Technology - Converting Technology - Extrusion - Packaging Conformance and Specifications
Dynix:
Call No.:
ISBN: 1569903034
Shelf
Edition:
Series:
Year: 2000
Price: $63.50

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Title	Location	Edition / Series / Misc.

1134 Plastics Technology Handbook, 3rd Ed.

Author: Manas Chanda and Salil K. Roy
Publish.: Marcel Dekker
- place:
- date: 1998
Desc: 1208 p. 6 x 9 Hardcover
Subject: Plastics Processing Technology - Polymer Science - Wear, Weathering, and Tribology

Dynix:
Call No.:
ISBN: 82470066
Shelf

Edition:
Series:
Year: 1998
Price: $235.00

1385 Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applicati

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2001
Desc: 330 p. 6.2 x 9.4 Hardcover
Subject: Polymer Science - Interfacial Engineering and Surface Science - Polymer Characterization

Dynix:
Call No.:
ISBN: 9067643394
Shelf

Edition:
Series:
Year: 2001
Price: $108.50

1508 Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applicati

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2003
Desc: 540 p. 6.2 x 9.4 Hardcover
Subject: Polymer Science - Polymer Surface Modification

Dynix:
Call No.:
ISBN: 9067643785
Shelf

Edition:
Series:
Year: 2003
Price: $238.50

1126 Polyimides: Fundamentals & Applications

Author: Malay K. Ghosh and K.L. Mittal, eds.
Publish.: Marcel Dekker
- place:
- date: 1996
Desc: 912 p. 7 x 10 Hardcover
Subject: Polymer Science - Plastics Processing Technology - Polymer Characterization - Polymer Surface Modification

Dynix:
Call No.:
ISBN: 824794664
Shelf

Edition:
Series:
Year: 1996
Price: $228.50

1439 Polymer Analysis

Author: Barbara Stuart
Publish.: John Wiley & Sons
- place:
- date: 2002
Desc: 302 p. 6 x 9 Paperback
Subject: Polymer Characterization - Recommend this Site

Dynix:
Call No.:
ISBN: 47181363
Shelf

Edition:
Series:
Year: 2002
Price: $48.50

1262 Polymer Blends and Alloys

Author: Gabriel O. Shonaike and George P. Simon, eds.
Publish.: Marcel Dekker
- place:
- date: 1999
Desc: 760 p. 6 x 9 Hardcover
Subject: Polymer Science - Recommend this Site

Dynix:
Call No.:
ISBN: 824719808
Shelf

Edition:
Series:
Year: 1999
Price: $213.50

1532 Polymer Blends Handbook (2 Volume Set)

Author: Leszek A. Utracki, ed.
Publish.: Kluwer Academic
- place:
- date: 2003
Desc: 1488 p. 7.6 x 10.2 Hardcover
Subject: Polymer Science - Recommend this Site

Dynix:
Call No.:
ISBN: 1402011148
Shelf

Edition:
Series:
Year: 2003
Price: $498.50

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Title	Location	Edition / Series / Misc.

1498 Polymer Characterization Techniques and Their Application to Blends

Author: George P. Simon, ed. | *Dynix:* | *Edition:*
Publish.: American Chemical Society | *Call No.:* | *Series:*
- place: | *ISBN:* 841238189 |
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 530 p. 6 x 9.2 Hardcover | | *Price:* $198.50
Subject: Polymer Characterization - Recommend this Site

1206 Polymer Characterization: Laboratory Techniques and Analysis

Author: Nicholas P. Cheremisinoff | *Dynix:* | *Edition:*
Publish.: Noyes Publications | *Call No.:* | *Series:*
- place: | *ISBN:* 815514034 |
- date: 1996 | *Shelf* | *Year:* 1996
Desc: 264 p. 6.2 x 9.2 Hardcover | | *Price:* $68.50
Subject: Polymer Characterization - Experimental Design and Analysis - Polymer Science

1210 Polymer Data Handbook

Author: James E. Mark | *Dynix:* | *Edition:*
Publish.: Oxford University Press | *Call No.:* | *Series:*
- place: | *ISBN:* 195107896 |
- date: 1999 | *Shelf* | *Year:* 1999
Desc: 1040 p. 7.5 x 9.2 Hardcover | | *Price:* $143.50
Subject: Polymer Science - General Reference - Materials Science - Polymer Characterization

1054 Polymer Devolatilization

Author: Ramon J. Albalak | *Dynix:* | *Edition:*
Publish.: Marcel Dekker | *Call No.:* | *Series:*
- place: | *ISBN:* 824796276 |
- date: 1996 | *Shelf* | *Year:* 1996
Desc: 736 p. 6 x 9 Hardcover | | *Price:* $218.50
Subject: Polymer Science - Extrusion - Plastics Processing Technology

1423 Polymer Dispersions and Their Industrial Applications

Author: Dieter Urban and Koichi Takamura, eds. | *Dynix:* | *Edition:*
Publish.: Wiley - VCH | *Call No.:* | *Series:*
- place: | *ISBN:* 3527302867 |
- date: 2002 | *Shelf* | *Year:* 2002
Desc: 426 p. 6.7 x 9.4 Hardcover | | *Price:* $171.50
Subject: Interfacial Engineering and Surface Science - Adhesives and Adhesion - Paints and Protective Coatings - Polymer Science

1545 Polymer Enhancement of Technical Textiles (Rapra Review Report 165)

Author: Roy W. Bucklev | *Dynix:* | *Edition:*
Publish.: Rapra | *Call No.:* | *Series:*
- place: | *ISBN:* 1859573959 |
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 134 p. 8.2 x 11.5 Paperback | | *Price:* $128.50
Subject: Textiles and Nonwovens - Coating Processes

999 Polymer Extrusion, 4th Ed.

Author: Chris Rauwendaal | *Dynix:* | *Edition:*
Publish.: Hanser Gardner | *Call No.:* | *Series:*
- place: | *ISBN:* 1569903212 |
- date: 2001 | *Shelf* | *Year:* 2001
Desc: 792 p. 6.5 x 9.5 Hardcover | | *Price:* $93.50
Subject: Extrusion - Plastic Films - Plastics Processing Technology

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Title	Location	Edition / Series / Misc.

1230 Polymer Interfaces and Emulsions

Author:	Kunio Esumi, ed.	*Dynix:*		*Edition:*	
Publish.:	Marcel Dekker	*Call No.:*		*Series:*	
- place:		*ISBN:*	824719751		
- date:	1999	*Shelf*		*Year:*	1999
Desc:	582 p. 6 x 9 Hardcover			*Price:*	$165.00
Subject:	Polymer Surface Chemistry - Adhesives and Adhesion - Colloids and Emulsions - Polymer Science				

1013 Polymer Interfaces: Structure and Strength

Author:	Richard P. Wool	*Dynix:*		*Edition:*	
Publish.:	Hanser Gardner	*Call No.:*		*Series:*	
- place:		*ISBN:*	1569901333		
- date:	1995	*Shelf*		*Year:*	1995
Desc:	494 p. 6.2 x 9 Hardcover			*Price:*	$118.50
Subject:	Adhesives and Adhesion - Biopolymers and Medical Applications - Colloids and Emulsions - Interfacial Engineering and Surface Science				

1106 Polymer Mixing: A Self-Study Guide

Author:	Chris Rauwendaal	*Dynix:*		*Edition:*	
Publish.:	Hanser Gardner	*Call No.:*		*Series:*	
- place:		*ISBN:*	1569902232		
- date:	1998	*Shelf*		*Year:*	1998
Desc:	265 p. 6.5 x 9.5 Hardcover			*Price:*	$63.50
Subject:	Plastics Processing Technology - Extrusion - Polymer Science				

1076 Polymer Modification

Author:		*Dynix:*		*Edition:*	
Publish.:	Plenum Press	*Call No.:*		*Series:*	
- place:		*ISBN:*	306457148		
- date:	1997	*Shelf*		*Year:*	1997
Desc:	221 p. 6.5 x 9.8 Hardcover			*Price:*	$158.50
Subject:	Polymer Science - Plastics Processing Technology - Polymer Surface Modification				

1305 Polymer Modification: Principles, Techniques, and Applications

Author:	John J. Meister, ed.	*Dynix:*		*Edition:*	
Publish.:	Marcel Dekker	*Call No.:*		*Series:*	
- place:		*ISBN:*	824700783		
- date:	2000	*Shelf*		*Year:*	2000
Desc:	924 p. 6 x 9 Hardcover			*Price:*	$198.50
Subject:	Polymer Science - Recommend this Site				

1306 Polymer Modifiers and Additives

Author:	John T. Lutz, Jr. and Richard F. Grossman, eds.	*Dynix:*		*Edition:*	
Publish.:	Marcel Dekker	*Call No.:*		*Series:*	
- place:		*ISBN:*	824799496		
- date:	2001	*Shelf*		*Year:*	2001
Desc:	528 p. 6 x 9 Hardcover			*Price:*	$138.50
Subject:	Additives - Polymer Science				

1425 Polymer Nanocomposites: Synthesis, Characterization, and Modeling (ACS Symposium Serie

Author:	Ramanan Krishnamoorti and Richard A. Vaia, eds.	*Dynix:*		*Edition:*	
Publish.:	American Chemical Society	*Call No.:*		*Series:*	
- place:		*ISBN:*	841237689		
- date:	2001	*Shelf*		*Year:*	2001
Desc:	252 p. 6 x 9 Hardcover			*Price:*	$103.50
Subject:	Polymer Science - Materials Science				

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Title	Location	Edition / Series / Misc.

1212 Polymer Processing and Structure Development

Author: Arthur N. Wilkinson and Anthony J. Ryan, eds.
Publish.: Kluwer Academic
- place:
- date: 1999
Desc: 592 p. 6.2 x 9.5 Paperback
Subject: Plastics Processing Technology - Extrusion - Polymer Characterization - Polymer Science

Dynix:
Call No.:
ISBN: 792357728
Shelf

Edition:
Series:
Year: 1999
Price: $62.50

1125 Polymer Processing: Principles and Design

Author: Donald G. Baird and Dimitris I. Collias
Publish.: Wiley - Interscience
- place:
- date: 1998
Desc: 354 p. 8.5 x 11 Hardcover
Subject: Plastics Processing Technology - Polymer Science

Dynix:
Call No.:
ISBN: 471254533
Shelf

Edition:
Series:
Year: 1998
Price: $98.50

1311 Polymer Sorption Phenomena (Macromolecular Symposia 145)

Author:
Publish.: Wiley - VCH
- place:
- date: 1999
Desc: 190 p. 6 x 9 Hardcover
Subject: Polymer Surface Chemistry - Biopolymers and Medical Applications - Interfacial Engineering and Surface Science - Materials Science

Dynix:
Call No.:
ISBN: 352729905
Shelf

Edition:
Series:
Year: 1999
Price: $83.50

1480 Polymer Spectroscopy: 14th European Symposium on Polymer Spectroscopy (ESOPS 14)

Author: K.-J. Eichhorn and D. Fischer, eds.
Publish.: Wiley - VCH
- place:
- date: 2002
Desc: 400 p. 6 x 9 Hardcover
Subject: Polymer Characterization - Recommend this Site

Dynix:
Call No.:
ISBN: 3527304746
Shelf

Edition:
Series:
Year: 2002
Price: $185.00

1004 Polymer Surface Modification and Characterization

Author: Chi-Ming Chan
Publish.: Hanser Gardner
- place:
- date: 1994
Desc: 295 p. 6.5 x 9.5 Hardcover
Subject: Polymer Surface Modification - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 1569901589
Shelf

Edition:
Series:
Year: 1994
Price: $88.50

1395 Polymer Surface Modification: Relevance to Adhesion

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 1996
Desc: 558 p. 6.2 x 9.4 Hardcover
Subject: Polymer Surface Modification - Adhesives and Adhesion - Interfacial Engineering and Surface Science - Polymer Surface Chemistry

Dynix:
Call No.:
ISBN: 9067642010
Shelf

Edition:
Series:
Year: 1996
Price: $138.50

1387 Polymer Surface Modification: Relevance to Adhesion, Vol. 2

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2000
Desc: 640 p. 6.6 x 9.8 Hardcover
Subject: Polymer Surface Modification - Adhesives and Adhesion - Polymer Surface Chemistry -

Dynix:
Call No.:
ISBN: 9067643270
Shelf

Edition:
Series:
Year: 2000
Price: $176.50

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Title	Location	Edition / Series / Misc.

1205 Polymer Surfaces & Interfaces III

Author: R.W. Richards and S.K. Pearce. eds.
Publish.: John Wiley & Sons
- place:
- date: 1999
Desc: 316 p. 6 x 9 Hardcover
Subject: Surface Characterization and Analysis - Polymer Surface Chemistry - Polymer Surface Modification

Dynix:
Call No.:
ISBN: 471982865
Shelf

Edition:
Series:
Year: 1999
Price: $198.50

1012 Polymer Surfaces and Interfaces II

Author: W.J. Feast. H.S. Munro. and R.W. Richards. eds.
Publish.: John Wiley & Sons
- place:
- date: 1993
Desc: 314 p. 6 x 9 Hardcover
Subject: Surface Characterization and Analysis - Biopolymers and Medical Applications - Interfacial Engineering and Surface Science - Polymer Surface Modificatio

Dynix:
Call No.:
ISBN: 471934569
Shelf

Edition:
Series:
Year: 1993
Price: $225.00

1393 Polymer Surfaces and Interfaces: Characterization, Modification and Application

Author: K.L. Mittal and K.-W. Lee. eds.
Publish.: VSP
- place:
- date: 1997
Desc: 434 p. 6.2 x 9.4 Hardcover
Subject: Polymer Surface Chemistry - Interfacial Engineering and Surface Science - Polymer Surface Modification -

Dynix:
Call No.:
ISBN: 9067642177
Shelf

Edition:
Series:
Year: 1997
Price: $98.50

1196 Polymer Synthesis and Characterization: A Laboratory Manual

Author:
Publish.: Academic Press
- place:
- date: 1998
Desc: 230 p. 8.5 x 11 Paperback
Subject: Polymer Characterization - Experimental Design and Analysis - Health. Safety. and the Environment - Polymer Science

Dynix:
Call No.:
ISBN: 12618240
Shelf

Edition:
Series:
Year: 1998
Price: $41.50

1543 Polymer Yearbook 18

Author: Richard A. Pethrick and Gennady E. Zaikov. eds.
Publish.: Rapra
- place:
- date: 2003
Desc: 426 p. 7.3 x 9.8 Paperback
Subject: Polymer Science - Recommend this Site

Dynix:
Call No.:
ISBN: 1859573835
Shelf

Edition:
Series:
Year: 2003
Price: $153.50

1290 Polymer-Clay Nanocomposites

Author: Thomas J. Pinnavaia and G.W. Beall. eds.
Publish.: John Wiley & Sons
- place:
- date: 2000
Desc: 368 p. 6 x 9 Hardcover
Subject: Composites. Laminates. and Fibers - Polymer Science

Dynix:
Call No.:
ISBN: 471637009
Shelf

Edition:
Series:
Year: 2000
Price: $258.50

1370 Polymeric Biomaterials, 2nd Ed.

Author: Severian Dumitriu. ed.
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 1184 p. 8.5 x 11 Hardcover
Subject: Biopolymers and Medical Applications - Polymer Science

Dynix:
Call No.:
ISBN: 824705696
Shelf

Edition:
Series:
Year: 2002
Price: $233.50

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Title	Location	Edition / Series / Misc.
1044 **Polymeric Compatibilizers: Uses and Benefits in Polymer Blends**		*Edition:*
Author: Sudhin Datta and David J. Lohse	*Dynix:*	*Series:*
Publish.: Hanser Gardner	*Call No.:*	
- place:	*ISBN:* 1569901945	
- date: 1996	*Shelf*	*Year:* 1996
Desc: 550 p. 6.5 x 9.5 Hardcover		*Price:* $138.50
Subject: Additives - Polymer Science		
1169 **Polymeric Multicomponent Materials: An Introduction**		*Edition:*
Author: L.H. Sperling	*Dynix:*	*Series:*
Publish.: Wiley - Interscience	*Call No.:*	
- place:	*ISBN:* 471041386	
- date: 1997	*Shelf*	*Year:* 1997
Desc: 415 p. 6 x 9 Hardcover		*Price:* $93.50
Subject: Materials Science - Colloids and Emulsions - Composites, Laminates, and Fibers - Polymer Science		
1101 **Polymeric Seals and Sealing Technology (Rapra Review Report 96)**		*Edition:*
Author: J.A. Hickman	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 1859570968	
- date: 1995	*Shelf*	*Year:* 1995
Desc: 117 p. 8.5 x 11 Paperback		*Price:* $123.50
Subject: Plastics Processing Technology - Materials Science		
1505 **Polymers in Building and Construction (Rapra Review Report 154)**		*Edition:*
Author: Sue Halliwell	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 1859573622	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 136 p. 8.5 x 11 Paperback		*Price:* $123.50
Subject: General Reference - Materials Science		
1352 **Polymers in Dispersed Media I (Macromolecular Symposia 150)**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: Wiley - VCH	*Call No.:*	
- place:	*ISBN:* 3527301291	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 344 p. 6 x 9.2 Hardcover		*Price:* $155.00
Subject: Polymer Science - Colloids and Emulsions		
1553 **Polymers in Dispersed Media II (Macromolecular Symposia 151)**		*Edition:*
Author: Jerome Claverie, Marie-Therese Charrevre, and Christian Pichot, e	*Dynix:*	*Series:*
Publish.: Wiley - VCH	*Call No.:*	
- place:	*ISBN:* 3527301305	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 330 p., 6 x 9.2 Hardcover		*Price:* $155.00
Subject: Polymer Science		
1278 **Polyolefins 2000: The International Conference on Polyolefins**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: SPE	*Call No.:*	
- place:	*ISBN:*	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 768 p. 8.5 x 11 Paperback		*Price:* $128.50
Subject: Plastics Processing Technology - Additives - Converting Technology - Extrusion		

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Title	Location	Edition / Series / Misc.

1107 Polypropylene Handbook

Author: Edward P. Moore, Jr., ed.
Publish.: Hanser Gardner
- place:
- date: 1996
Desc: 439 p. 6.5 x 9.5 Hardcover
Subject: Plastics Processing Technology - Additives - Polymer Science

Dynix:
Call No.:
ISBN: 1569902089
Shelf

Edition:
Series:
Year: 1996
Price: $185.00

1098 Polypropylene: The Definitive User's Guide

Author: Clive Maier and Teresa Calafut
Publish.: Plastics Design Library
- place:
- date: 1998
Desc: 452 p. 8.5 x 11 Hardcover
Subject: Plastics Processing Technology - Extrusion - Materials Science - Plastic Films

Dynix:
Call No.:
ISBN: 1884207588
Shelf

Edition:
Series:
Year: 1998
Price: $205.00

1496 Polyurethanes Book

Author: David Randall and Stephen Lee, eds.
Publish.: John Wiley & Sons
- place:
- date: 2002
Desc: 498 p. 7.5 x 10.2 Hardcover
Subject: Polymer Science - Recommend this Site

Dynix:
Call No.:
ISBN: 470850418
Shelf

Edition:
Series:
Year: 2002
Price: $153.50

1256 Polyurethanes in Biomedical Applications

Author:
Publish.: CRC Press
- place:
- date: 1998
Desc: 286 p. 7 x 10 Hardcover
Subject: Biopolymers and Medical Applications - Plastics Processing Technology - Polymer Characterization - Polymer Science

Dynix:
Call No.:
ISBN: 849345170
Shelf

Edition:
Series:
Year: 1998
Price: $141.50

1035 Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert

Author: Annie Berger-Schunn
Publish.: Wiley - Interscience
- place:
- date: 1994
Desc: 190 p. 6 x 9 Hardcover
Subject: Color Theory, Testing, and Analysis - Paints and Protective Coatings - QA/QC, Statistics, and Testing

Dynix:
Call No.:
ISBN: 471004170
Shelf

Edition:
Series:
Year: 1994
Price: $88.50

1452 Practical Design and Production of Optical Thin Films, 2nd Ed.

Author: Ronald R. Willey
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 560 p. 6 x 9 Hardcover
Subject: Coating Processes - Recommend this Site

Dynix:
Call No.:
ISBN: 824708490
Shelf

Edition:
Series:
Year: 2002
Price: $161.50

1518 Practical Guide to Chemical Safety Testing: Regulatory Consequences - Chemicals, Food Pac

Author: Derek J. Night and Mike B. Thomas, eds.
Publish.: Rapra
- place:
- date: 2003
Desc: 468 p. 7.2 x 9.8 Paperback
Subject: Health, Safety, and the Environment - Recommend this Site

Dynix:
Call No.:
ISBN: 185957372
Shelf

Edition:
Series:
Year: 2003
Price: $151.50

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Title	Location	Edition / Series / Misc.
1295 **Practical Guide to Surface Science and Spectroscopy**		*Edition:*
Author: Yip-Wah Chung	*Dynix:*	*Series:*
Publish.: Academic Press	*Call No.:*	
- place:	*ISBN:* 121746100	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 200 p. 6 x 9 Hardcover with CD-ROM		*Price:* $63.50
Subject: Surface Characterization and Analysis - Recommend this Site		
1289 **Practical Problem Solving in HPLC**		*Edition:*
Author: Stavros Kromidas	*Dynix:*	*Series:*
Publish.: Wiley - VCH	*Call No.:*	
- place:	*ISBN:* 3527298428	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 194 p. 6.8 x 9.5 Paperback		*Price:* $45.00
Subject: QA/QC, Statistics, and Testing - Polymer Characterization		
1062 **Premanufacture Notification: Chemistry Assistance for Submitters**		*Edition:*
Author: Stephen C. DeVito and Carol A. Farris	*Dynix:*	*Series:*
Publish.: John Wiley & Sons	*Call No.:*	
- place:	*ISBN:* 471191515	
- date: 1997	*Shelf*	*Year:* 1997
Desc: 144 p. 8.5 x 11 Hardcover		*Price:* $35.00
Subject: Patents and Intellectual Property - General Reference - Health, Safety, and the Environment - Solubility and Surfactants		
1218 **Preparing Scientific Illustrations: A Guide to Better Posters, Presentations, and Publications,**		*Edition:*
Author: Mary Helen Briscoe	*Dynix:*	*Series:*
Publish.: Springer	*Call No.:*	
- place:	*ISBN:* 387945814	
- date: 1996	*Shelf*	*Year:* 1996
Desc: 216 p. 7 x 10 Paperback		*Price:* $35.00
Subject: General Reference - Recommend this Site		
1042 **Pressure-Sensitive Adhesives Technology**		*Edition:*
Author: Istvan Benedek and Luc J. Heymans	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824797655	
- date: 1997	*Shelf*	*Year:* 1997
Desc: 610 p. 6 x 9 Hardcover		*Price:* $181.50
Subject: Adhesives and Adhesion - Coating Processes		
1389 **Pressure-Sensitive Formulation**		*Edition:*
Author: Istvan Benedek	*Dynix:*	*Series:*
Publish.: VSP	*Call No.:*	
- place:	*ISBN:* 9067643300	
- date: 2000	*Shelf*	*Year:* 2000
Desc: 536 p. 6.6 x 9.8 Hardcover		*Price:* $143.50
Subject: Adhesives and Adhesion - Coating Processes - Converting Technology		
1435 **Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural**		*Edition:*
Author: J. Wayne Rabalais	*Dynix:*	*Series:*
Publish.: Wiley - Interscience	*Call No.:*	
- place:	*ISBN:* 471202770	
- date: 2003	*Shelf*	*Year:* 2003
Desc: 322 p. 6 x 9 Hardcover		*Price:* $85.00
Subject: Surface Characterization and Analysis - Polymer Characterization - Polymer Surface Chemistry		

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Title	Location	Edition / Series / Misc.

1237 **Principles and Applications of Tribology**

Author: Bharat Bhushan
Publish.: John Wiley & Sons
- place:
- date: 1999
Desc: 1040 p. 6 x 9 Hardcover
Subject: Wear, Weathering, and Tribology - Recommend this Site

Dynix:
Call No.:
ISBN: 471594075
Shelf

Edition:
Series:
Year: 1999
Price: $178.50

1533 **Principles of Chemical Vapor Deposition: What's Going On Inside the Reactor?**

Author: Daniel M. Dobkin and Michael K. Zuraw, eds.
Publish.: Kluwer Academic
- place:
- date: 2003
Desc: 288 p. 6.3 x 9.5 Hardcover
Subject: Coating Processes - Materials Science

Dynix:
Call No.:
ISBN: 1402012489
Shelf

Edition:
Series:
Year: 2003
Price: $85.00

1053 **Principles of Colloid and Surface Chemistry, 3rd Ed.**

Author: Paul C. Hiemenz and Rai Rajagopalan
Publish.: Marcel Dekker
- place:
- date: 1997
Desc: 670 p. 7 x 10 Hardcover
Subject: Colloids and Emulsions - Biopolymers and Medical Applications - Paints and Protective Coatings -

Dynix:
Call No.:
ISBN: 824793978
Shelf

Edition:
Series:
Year: 1997
Price: $65.00

1303 **Principles of Color Reproduction**

Author:
Publish.: GATF
- place:
- date: 2000
Desc: 480 p. 5.5 x 8.5 Paperback
Subject: Color Theory, Testing, and Analysis - Printing Technology

Dynix:
Call No.:
ISBN: 88362222
Shelf

Edition:
Series:
Year: 2000
Price: $58.50

1211 **Printing Ink and Overprint Varnish Formulations, 2nd Ed.**

Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 1999
Desc: 144 p. 6 x 9 Hardcover
Subject: Inks and Coatings - Additives - Printing Technology

Dynix:
Call No.:
ISBN: 815514409
Shelf

Edition:
Series:
Year: 1999
Price: $78.50

1128 **Printing Paper & Inks**

Author: Charles Finley
Publish.: Delmar
- place:
- date: 1997
Desc: 459 p. 7 x 10 Hardcover
Subject: Paper and Paperboard - Color Theory, Testing, and Analysis - Inks and Coatings - Printing Technology

Dynix:
Call No.:
ISBN: 827364415
Shelf

Edition:
Series:
Year: 1997
Price: $43.50

1201 **Printing Plant Layout and Facility Design, 2nd Ed.**

Author: A. John Geis
Publish.: GATF
- place:
- date: 1997
Desc: 218 p. 8.5 x 11 Paperback
Subject: Printing Technology - General Reference

Dynix:
Call No.:
ISBN: 883622114
Shelf

Edition:
Series:
Year: 1997
Price: $58.50

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Title	Location	Edition / Series / Misc.
1129 **Printing Technology, 5th Ed.**		*Edition:*
Author: J. Michael Adams and Penny Ann Dolin	*Dynix:*	*Series:*
Publish.: Delmar	*Call No.:*	
- place:	*ISBN:* 76682232	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 558 p. 7.88 x 9.13 Hardcover		*Price:* $51.50
Subject: Printing Technology - Color Theory, Testing, and Analysis		
1412 **Probability, Statistics, and Reliability for Engineers and Scientists, 2nd Ed.**		*Edition:*
Author: Bilal M. Ayyub and Richard H. McCuen	*Dynix:*	*Series:*
Publish.: Chapman & Hall	*Call No.:*	
- place:	*ISBN:* 1584882867	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 650 p. 6 x 9 Hardcover		*Price:* $88.50
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis		
1429 **Processes of Fiber Formation**		*Edition:*
Author: Zbigniew K. Walczak	*Dynix:*	*Series:*
Publish.: Elsevier	*Call No.:*	
- place:	*ISBN:* 80440401	
- date: 2002	*Shelf*	*Year:* 2002
Desc: 424 p. 6.5 x 9.5 Hardcover		*Price:* $106.50
Subject: Composites, Laminates, and Fibers - Materials Science - Polymer Science		
1089 **Properties of Paper: An Introduction, 2nd Ed.**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: TAPPI Press	*Call No.:*	
- place:	*ISBN:* 898520622	
- date: 1995	*Shelf*	*Year:* 1995
Desc: 209 p. 7 x 10 Paperback		*Price:* $55.00
Subject: Paper and Paperboard - QA/QC, Statistics, and Testing		
1557 **Protecting Your Ideas: The Inventor's Guide to Patents**		*Edition:*
Author: Jov L. Bryant	*Dynix:*	*Series:*
Publish.: Academic Press	*Call No.:*	
- place:	*ISBN:* 0121384101	
- date: 1998	*Shelf*	*Year:* 1998
Desc: 243 p., 6 x 9 Hardcover		*Price:* $15.00
Subject: Patents and Intellectual Property		
1489 **Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.**		*Edition:*
Author: Karl Mahall	*Dynix:*	*Series:*
Publish.: Springer	*Call No.:*	
- place:	*ISBN:* 3540440720	
- date: 2003	*Shelf*	*Year:* 2003
Desc: 260 p. 6.5 x 9.6 Hardcover		*Price:* $118.50
Subject: Textiles and Nonwovens - Composites, Laminates, and Fibers - QA/QC, Statistics, and Testing		
1122 **Quality Assurance in Adhesive Technology**		*Edition:*
Author: EUREKA Project EU716	*Dynix:*	*Series:*
Publish.: Abington Publications	*Call No.:*	
- place:	*ISBN:* 1855732599	
- date: 1998	*Shelf*	*Year:* 1998
Desc: 168 p. 8.2 x 11.5 Paperback		*Price:* $155.00
Subject: Adhesives and Adhesion - Experimental Design and Analysis - QA/QC, Statistics, and Testing		

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Title	Location	Edition / Series / Misc.
1579 **Quality Audit Handbook, 2nd Edition**		*Edition:* 2nd Edition
Author:	*Dynix:*	*Series:*
Publish.: ASQC	*Call No.:*	
- place:	*ISBN:* 087389460X	
- date: 1999	*Shelf*	*Year:* 1999
Desc: 218 pages, hardbound		*Price:* $82.00
Subject: Quality Assurance		
1515 **Quality Engineering Handbook, 2nd Ed.**		*Edition:*
Author: Thomas Pyzdek (edited by Paul A. Keller)	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824746147	
- date: 2003	*Shelf*	*Year:* 2003
Desc: 744 p. 8.5 x 11 Hardcover		*Price:* $133.50
Subject: QA/QC, Statistics, and Testing - Recommend this Site		
1322 **Radiation Curing (Rapra Review Report 136)**		*Edition:*
Author: R.S. Davidson	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 185957288	
- date: 2001	*Shelf*	*Year:* 2001
Desc: 128 p. 8.3 x 11.5 Paperback		*Price:* $123.50
Subject: Curing and Photopolymerization Processes - Adhesives and Adhesion - Inks and Coatings		
1132 **Recent Developments in Epoxy Resins (Rapra Review Report 91)**		*Edition:*
Author: I. Hamerton	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 1859570836	
- date: 1995	*Shelf*	*Year:* 1995
Desc: 185 p. 8.5 x 11 Paperback		*Price:* $121.50
Subject: Paints and Protective Coatings - Adhesives and Adhesion - Inks and Coatings		
1160 **Reinforced Plastics Durability**		*Edition:*
Author: Geoffrey Pritchard, ed.	*Dynix:*	*Series:*
Publish.: CRC Press	*Call No.:*	
- place:	*ISBN:* 849305470	
- date: 1999	*Shelf*	*Year:* 1999
Desc: 384 p. 6.1 x 9.2 Hardcover		*Price:* $161.50
Subject: Wear, Weathering, and Tribology - Composites, Laminates, and Fibers		
1580 **Remedies for Common Paint Problems**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: R&H	*Call No.:*	
- place:	*ISBN:*	
- date:	*Shelf*	*Year:*
Desc: 22 cards.		*Price:* $28.00
Subject: Application/Curing		
1525 **Research and Development Management in the Chemical and Pharmaceutical Industry, 2nd E**		*Edition:*
Author: Peter Bamfield	*Dynix:*	*Series:*
Publish.: Wiley - VCH	*Call No.:*	
- place:	*ISBN:* 3527306676	
- date: 2003	*Shelf*	*Year:* 2003
Desc: 280 p. 6.6 x 9.5 Hardcover		*Price:* $75.00
Subject: General Reference - Recommend this Site		

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Title	Location	Edition / Series / Misc.

1045 **Resins for Coatings: Chemistry, Properties, and Applications**
Author: Dieter Stove and Werner Freitag, eds. *Dynix:* *Edition:*
Publish.: Hanser Gardner *Call No.:* *Series:*
- place: *ISBN:* 1569902097
- date: 1996 *Shelf* *Year:* 1996
Desc: 475 p. 6.5 x 9.3 Hardcover *Price:* $148.50
Subject: Paints and Protective Coatings - Inks and Coatings - Solubility and Surfactants

1343 **Resins for Surface Coatings, 2nd Ed. [Vol. 1: Acrylics & Epoxies]**
Author: P.K.T. Oldring, ed. *Dynix:* *Edition:*
Publish.: Wiley - SITA Technology *Call No.:* *Series:*
- place: *ISBN:* 471978949
- date: 2001 *Shelf* *Year:* 2001
Desc: 374 p. 6.5 x 9 Hardcover *Price:* $185.00
Subject: Paints and Protective Coatings - Polymer Science

1344 **Resins for Surface Coatings, 2nd Ed. [Vol. 2: Alkyds & Polyesters]**
Author: P.K.T. Oldring, ed. *Dynix:* *Edition:*
Publish.: Wiley - SITA Technology *Call No.:* *Series:*
- place: *ISBN:* 471978957
- date: 2001 *Shelf* *Year:* 2001
Desc: 226 p. 6.5 x 9 Hardcover *Price:* $166.50
Subject: Paints and Protective Coatings - Recommend this Site

1130 **Retention of Fines and Fillers During Papermaking**
Author: Jerome M. Gess, ed. *Dynix:* *Edition:*
Publish.: TAPPI Press *Call No.:* *Series:*
- place: *ISBN:* 898520665
- date: 1998 *Shelf* *Year:* 1998
Desc: 372 p. 7 x 10 Hardcover *Price:* $105.00
Subject: Paper and Paperboard - Additives

1279 **Rheology in Plastics Quality Control**
Author: John M. Dealy and Peter C. Saucier *Dynix:* *Edition:*
Publish.: Hanser Gardner *Call No.:* *Series:*
- place: *ISBN:* 1569902860
- date: 2000 *Shelf* *Year:* 2000
Desc: 152 p. 6.5 x 9.5 Hardcover with CD-ROM *Price:* $73.50
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis - Extrusion - Plastics Processing Technology

1083 **Rheology of Polymeric Systems: Principles and Applications**
Author: *Dynix:* *Edition:*
Publish.: Hanser Gardner *Call No.:* *Series:*
- place: *ISBN:* 1569902186
- date: 1997 *Shelf* *Year:* 1997
Desc: 534 p. 6.5 x 9.5 Hardcover *Price:* $93.50
Subject: Polymer Science - Polymer Characterization

1051 **Roll and Web Defect Terminology**
Author: R. Duane Smith, ed. *Dynix:* *Edition:*
Publish.: TAPPI Press *Call No.:* *Series:*
- place: *ISBN:* 89852279
- date: 1995 *Shelf* *Year:* 1995
Desc: 261 p. 8.5 x 11 Paperback *Price:* $68.50
Subject: Converting Technology - Extrusion - Plastic Films - Printing Technology

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Title	Location	Edition / Series / Misc.

1037 Rosato's Plastics Encyclopedia and Dictionary

Author: Dominick V. Rosato
Publish.: Hanser Gardner
- place:
- date: 1993
Desc: 885 p. 6.5 x 9.5 Hardcover
Subject: General Reference - Health, Safety, and the Environment - Plastics Processing Technology

Dynix:
Call No.:
ISBN: 1569900884
Shelf

Edition:
Series:
Year: 1993
Price: $93.50

1445 Rubber Bonding 2001: Advances in the Bonding of Rubber to Various Substrates

Author:
Publish.: Rapra
- place:
- date: 2001
Desc: 224 p. 8 x 11 Paperback
Subject: Adhesives and Adhesion - Materials Science

Dynix:
Call No.:
ISBN: 1859572987
Shelf

Edition:
Series:
Year: 2001
Price: $138.50

1403 Rubber Curing Systems (Rapra Review Report 144)

Author: R.N. Datta
Publish.: Rapra
- place:
- date: 2002
Desc: 152 p. 8.2 x 11.5 Paperback
Subject: Curing and Photopolymerization Processes - Recommend this Site

Dynix:
Call No.:
ISBN: 1859573266
Shelf

Edition:
Series:
Year: 2002
Price: $123.50

1246 Rubber Formulary

Author: Peter A. Ciullo and Norman Hewitt
Publish.: Plastics Design Library
- place:
- date: 1999
Desc: 765 p. 6 x 9 Hardcover
Subject: Materials Science - Additives

Dynix:
Call No.:
ISBN: 815514344
Shelf

Edition:
Series:
Year: 1999
Price: $205.00

1319 Rubber Processing: An Introduction

Author: Peter S. Johnson
Publish.: Hanser Gardner
- place:
- date: 2001
Desc: 158 p. 6.5 x 9.5 Hardcover
Subject: Plastics Processing Technology - Extrusion - Materials Science

Dynix:
Call No.:
ISBN: 1569903093
Shelf

Edition:
Series:
Year: 2001
Price: $63.50

1408 Rubber Technologist's Handbook

Author: Jim R. White and Sadhan K. De. eds.
Publish.: Rapra
- place:
- date: 2002
Desc: 596 p. 7.2 x 9.8 Hardcover
Subject: Materials Science - Recommend this Site

Dynix:
Call No.:
ISBN: 1859572626
Shelf

Edition:
Series:
Year: 2002
Price: $236.50

1314 Rubber Technology: Compounding and Testing for Performance

Author: John S. Dick. ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Desc: 592 p. 6.4 x 9.4 Hardcover
Subject: Plastics Processing Technology - Additives - QA/QC, Statistics, and Testing

Dynix:
Call No.:
ISBN: 156990278
Shelf

Edition:
Series:
Year: 2001
Price: $138.50

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Title	Location	Edition / Series / Misc.

1376 **Safety, Health, and Asset Protection: Management Essentials, 2nd Ed.**
Author: Richard W. Lack. ed.
Publish.: St. Lucie Press
- place:
- date: 2002
Desc: 886 p. 6 x 9.2 Hardcover
Subject: Health. Safety. and the Environment - General Reference
Dynix:
Call No.:
ISBN: 1566703700
Shelf
Edition:
Series:
Year: 2002
Price: $98.50

1485 **Scanning Probe Microscopes: Applications in Science and Technology**
Author: K.S. Birdi
Publish.: CRC Press
- place:
- date: 2003
Desc: 328 p. 6.1 x 9.2 Hardcover
Subject: OA/OC. Statistics. and Testing - Biopolymers and Medical Applications
Dynix:
Call No.:
ISBN: 849309301
Shelf
Edition:
Series:
Year: 2003
Price: $116.50

1478 **Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd E**
Author: Dawn Bonnell. ed.
Publish.: Wiley - VCH
- place:
- date: 2001
Desc: 512 p. 6 x 9 Hardcover
Subject: Surface Characterization and Analysis - Polymer Surface Chemistry - OA/OC. Statistics. and Testing
Dynix:
Call No.:
ISBN: 47124824
Shelf
Edition:
Series:
Year: 2001
Price: $131.50

1288 **Science and Engineering of Droplets: Fundamentals and Applications**
Author: Huimin Liu
Publish.: Noves Publications
- place:
- date: 2000
Desc: 540 p. 6 x 9.2 Hardcover
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Dynix:
Call No.:
ISBN: 815514360
Shelf
Edition:
Series:
Year: 2000
Price: $98.50

1157 **Screen Printing Primer, 2nd Ed.**
Author: Samuel Ingram
Publish.: GATF
- place:
- date: 1999
Desc: 152 p. 5.5 x 8.5 Paperback
Subject: Printing Technology - Inks and Coatings
Dynix:
Call No.:
ISBN: 883622076
Shelf
Edition:
Series:
Year: 1999
Price: $21.50

1096 **Screen Printing: A Contemporary Approach**
Author: Samuel B. Hoff
Publish.: Delmar
- place:
- date: 1997
Desc: 298 p. 8 x 9 Hardcover
Subject: Printing Technology - Inks and Coatings - Textiles and Nonwovens
Dynix:
Call No.:
ISBN: 827371284
Shelf
Edition:
Series:
Year: 1997
Price: $53.50

1386 **Silanes and Other Coupling Agents, Vol. 2**
Author: K.L. Mittal. ed.
Publish.: VSP
- place:
- date: 2000
Desc: 300 p. 6.6 x 9.8 Hardcover
Subject: Adhesives and Adhesion - Coating Processes - Interfacial Engineering and Surface Science -
Dynix:
Call No.:
ISBN: 9067643319
Shelf
Edition:
Series:
Year: 2000
Price: $81.50

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Title	Location	Edition / Series / Misc.

1021 **Simple Methods for Identification of Plastics, 4th Ed.**

Author: Dieter Braun
Publish.: Hanser Gardner
- place:
- date: 1999
Desc: 138 p. 5.5 x 8.3 Paperback
Subject: General Reference - Health, Safety, and the Environment - Materials Science - Polymer Characterization

Dynix:
Call No.:
ISBN: 1569902801
Shelf

Edition:
Series:
Year: 1999
Price: $36.50

1455 **Six Sigma and Beyond, Vol. VII: The Implemenation Process**

Author: D.H. Stamatis
Publish.: St. Lucie Press
- place:
- date: 2003
Desc: 652 p. 6 x 9.2 Hardcover
Subject: QA/QC, Statistics, and Testing - General Reference

Dynix:
Call No.:
ISBN: 157444316
Shelf

Edition:
Series:
Year: 2003
Price: $106.50

1329 **Society of Vacuum Coaters Technical Conference Proceedings 1991-2000 CD-ROM Edition**

Author: SVC Staff
Publish.: Society of Vacuum Coaters
- place:
- date: 2001
Desc: 0 p. CD-ROM
Subject: Coating Processes - Paints and Protective Coatings

Dynix:
Call No.:
ISBN: 815514824
Shelf

Edition:
Series:
Year: 2001
Price: $81.50

1189 **Soft Interfaces: The 1994 Dirac Memorial Lecture**

Author: Pierre Gilles de Gennes
Publish.: Cambridge University Press
- place:
- date: 1997
Desc: 128 p. 5 x 7.2 Hardcover
Subject: Interfacial Engineering and Surface Science - Adhesives and Adhesion - Polymer Surface Chemistry -

Dynix:
Call No.:
ISBN: 521564174
Shelf

Edition:
Series:
Year: 1997
Price: $21.50

1330 **Solid - Liquid Interface Theory (ACS Symposium Series 789)**

Author: J. Woods Halley, ed.
Publish.: American Chemical Society
- place:
- date: 2001
Desc: 248 p. 6 x 9 Hardcover
Subject: Interfacial Engineering and Surface Science - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 841237174
Shelf

Edition:
Series:
Year: 2001
Price: $95.00

1371 **Solid Lubrication Fundamentals and Applications**

Author: Kazuhisa Miyoshi
Publish.: Marcel Dekker
- place:
- date: 2001
Desc: 412 p. 6 x 9 Hardcover
Subject: Wear, Weathering, and Tribology - Materials Science - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 824789059
Shelf

Edition:
Series:
Year: 2001
Price: $88.50

1299 **Solid Phase Processing of Polymers**

Author:
Publish.: Hanser Gardner
- place:
- date: 2000
Desc: 428 p. 6.5 x 9.5 Hardcover
Subject: Plastics Processing Technology - Composites, Laminates, and Fibers - Polymer Characterization

Dynix:
Call No.:
ISBN: 1569903077
Shelf

Edition:
Series:
Year: 2000
Price: $115.00

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Title	Location	Edition / Series / Misc.

1487 **Solid-Liquid Interfaces: Macroscopic Phenomena - Microscopic Understanding**

Author: K. Wandelt and S. Thurgate, eds. | *Dynix:* | *Edition:*
Publish.: Springer | *Call No.:* | *Series:*
- place: | *ISBN:* 3540425837
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 460 p. 6 x 9.2 Hardcover | *Price:* $126.50
Subject: Interfacial Engineering and Surface Science - Recommend this Site

1214 **Solubility and Solubilization in Aqueous Media**

Author: Samuel H. Yalkowski | *Dynix:* | *Edition:*
Publish.: American Chemical Society | *Call No.:* | *Series:*
- place: | *ISBN:* 841235767
- date: 1999 | *Shelf* | *Year:* 1999
Desc: 496 p. 6.1 x 9.2 Hardcover | *Price:* $98.50
Subject: Biopolymers and Medical Applications - Colloids and Emulsions - Solubility and Surfactants

1451 **Solvent Mixtures: Properties and Selective Solvation**

Author: Yizhak Marcus | *Dynix:* | *Edition:*
Publish.: Marcel Dekker | *Call No.:* | *Series:*
- place: | *ISBN:* 824708377
- date: 2002 | *Shelf* | *Year:* 2002
Desc: 278 p. 6 x 9 Hardcover | *Price:* $131.50
Subject: Solubility and Surfactants - Recommend this Site

1102 **Solvent-Free Adhesives (Rapra Review Report 101)**

Author: T.E. Rolando | *Dynix:* | *Edition:*
Publish.: Rapra | *Call No.:* | *Series:*
- place: | *ISBN:* 1859571336
- date: 1997 | *Shelf* | *Year:* 1997
Desc: 136 p. 8.5 x 11 Paperback | *Price:* $101.50
Subject: Adhesives and Adhesion - Additives - Coating Processes

1504 **Solvents and Solvent Effects in Organic Chemistry, 3rd Ed.**

Author: Christian Reichardt | *Dynix:* | *Edition:*
Publish.: Wiley - VCH | *Call No.:* | *Series:*
- place: | *ISBN:* 3527306188
- date: 2003 | *Shelf* | *Year:* 2003
Desc: 656 p. 6.5 x 0.5 Hardcover | *Price:* $141.50
Subject: Solubility and Surfactants - Recommend this Site

1581 **SPC Essentials and Productivity Improvement**

Author: | *Dynix:* | *Edition:*
Publish.: ASQC | *Call No.:* | *Series:*
- place: | *ISBN:* 0873893727
- date: 1997 | *Shelf* | *Year:* 1997
Desc: 266 pages, hardbound. | *Price:* $45.00
Subject: Quality Assurance

1292 **SPC: Statistical Process Control in Injection Molding and Extrusion**

Author: Chris Rauwendaal | *Dynix:* | *Edition:*
Publish.: Hanser Gardner | *Call No.:* | *Series:*
- place: | *ISBN:* 1569902852
- date: 2000 | *Shelf* | *Year:* 2000
Desc: 248 p. 6.5 x 9.5 Hardcover | *Price:* $73.50
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis - Extrusion - Plastics Processing Technology

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Title	Location	Edition / Series / Misc.

1361 SPE Guide on Extrusion Technology and Troubleshooting

Author: John Vlachopoulos and John R. Wagner, Jr., eds.
Publish.: SPE
- place:
- date: 2002
Desc: 456 p. 8.5 x 11 Hardcover
Subject: Extrusion - Converting Technology - Plastic Films -

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 2002
Price: $138.50

1268 Specimen Handling, Preparation, and Treatments in Surface Characterization

Author:
Publish.: Plenum Press
- place:
- date: 1998
Desc: 320 p. 6 x 9 Hardcover
Subject: Surface Characterization and Analysis - Experimental Design and Analysis - Materials Science -

Dynix:
Call No.:
ISBN: 30645887
Shelf

Edition:
Series:
Year: 1998
Price: $146.50

1276 Spectroscopy of Polymers, 2nd Ed.

Author: Jack L. Koenig
Publish.: Elsevier
- place:
- date: 1999
Desc: 506 p. 6.5 x 9.5 Hardcover
Subject: Polymer Characterization - Polymer Science - Polymer Surface Chemistry -

Dynix:
Call No.:
ISBN: 444100318
Shelf

Edition:
Series:
Year: 1999
Price: $121.50

1447 Spectroscopy of Rubbers and Rubbery Materials

Author: Victor M. Litvinov and Praina P. De, eds.
Publish.: Rapra
- place:
- date: 2002
Desc: 650 p. 7.2 x 9.8 Hardcover
Subject: Materials Science - Polymer Characterization

Dynix:
Call No.:
ISBN: 1859572804
Shelf

Edition:
Series:
Year: 2002
Price: $243.50

1321 Stabilisers for Polyolefins (Rapra Review Report 132)

Author: C. Krohnke and F. Werner
Publish.: Rapra
- place:
- date: 2001
Desc: 136 p. 8.3 x 11.5 Paperback
Subject: Additives - Plastics Processing Technology - Wear, Weathering, and Tribology

Dynix:
Call No.:
ISBN: 1859572855
Shelf

Edition:
Series:
Year: 2001
Price: $123.50

1351 Starch and Starch Products in Surface Sizing and Paper Coating

Author: Hans W. Maurer, ed.
Publish.: TAPPI Press
- place:
- date: 2001
Desc: 182 p. 8.5 x 11 Paperback
Subject: Paper and Paperboard - Coating Processes - Colloids and Emulsions

Dynix:
Call No.:
ISBN: 1930657560
Shelf

Edition:
Series:
Year: 2001
Price: $121.50

1024 Statistical Methods for the Process Industries

Author: William H. McNeese and Robert A. Klein
Publish.: Marcel Dekker
- place:
- date: 1991
Desc: 528 p. 8.5 x 11 Paperback
Subject: QA/QC, Statistics, and Testing - Converting Technology - Textiles and Nonwovens

Dynix:
Call No.:
ISBN: 82478524
Shelf

Edition:
Series:
Year: 1991
Price: $78.50

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Title	Location	Edition / Series / Misc.

1198 Statistical Sampling in the Pressroom: GATF Research & Technology Report 12

Author: Phillip N. Hutton
Publish.: GATF
- place:
- date: 1999
Desc: 20 p. 8.5 x 11 Paperback
Subject: QA/QC, Statistics, and Testing - Printing Technology

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1999
Price: $28.50

1266 Structural Adhesive Joints in Engineering, 2nd Ed.

Author: R.D. Adams, J. Comyn, and W.C. Wake
Publish.: Chapman & Hall
- place:
- date: 1997
Desc: 370 p. 6 x 9 Hardcover
Subject: Adhesives and Adhesion - Materials Science - Polymer Surface Modification - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 412709201
Shelf

Edition:
Series:
Year: 1997
Price: $188.50

1501 Structure - Performance Relationships in Surfactants, 2nd Ed.

Author: Kunio Esumi and Minoru Ueno, eds.
Publish.: Marcel Dekker
- place:
- date: 2003
Desc: 810 p. 6 x 9 Hardcover
Subject: Solubility and Surfactants - Recommend this Site

Dynix:
Call No.:
ISBN: 824740440
Shelf

Edition:
Series:
Year: 2003
Price: $171.50

1313 Structure Formation in Polymeric Fibers

Author: David R. Salem, ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Desc: 596 p. 6.4 x 9.4 Hardcover
Subject: Composites, Laminates, and Fibers - Materials Science - Plastics Processing Technology - Polymer Science

Dynix:
Call No.:
ISBN: 1569903069
Shelf

Edition:
Series:
Year: 2001
Price: $135.00

1143 Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, a

Author: Ya-Ping Sun, ed.
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 592 p. 6 x 9 Hardcover
Subject: Materials Science - Polymer Science - Solubility and Surfactants

Dynix:
Call No.:
ISBN: 82470651
Shelf

Edition:
Series:
Year: 2002
Price: $168.50

1461 Surface Active Behaviour of Performance Surfactants

Author: David R. Karsa, ed.
Publish.: Sheffield Academic
- place:
- date: 2000
Desc: 218 p. 6 x 9.1 Hardcover
Subject: Solubility and Surfactants - Recommend this Site

Dynix:
Call No.:
ISBN: 849305055
Shelf

Edition:
Series:
Year: 2000
Price: $126.50

1030 Surface Analysis of Paper

Author: Terrance E. Conners and Sujit Banerjee, eds.
Publish.: CRC Press
- place:
- date: 1995
Desc: 368 p. 7 x 10 Hardcover
Subject: Paper and Paperboard - Printing Technology - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 849389925
Shelf

Edition:
Series:
Year: 1995
Price: $175.00

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Title	Location	Edition / Series / Misc.

1190 **Surface Analysis of Polymers by XPS and Static SIMS**

Author: David Briggs
Publish.: Cambridge University Press
- place:
- date: 1998
Desc: 212 p. 6.8 x 9.8 Hardcover
Subject: Surface Characterization and Analysis - Polymer Characterization - Polymer Surface Chemistry -

Dynix:
Call No.:
ISBN: 521352223
Shelf

Edition:
Series:
Year: 1998
Price: $63.50

1070 **Surface Analysis: The Principle Techniques**

Author: John C. Vickerman, ed.
Publish.: John Wiley & Sons
- place:
- date: 1997
Desc: 473 p. 6 x 9 Paperback
Subject: Surface Characterization and Analysis - Polymer Characterization - Polymer Surface Modification -

Dynix:
Call No.:
ISBN: 471972924
Shelf

Edition:
Series:
Year: 1997
Price: $56.50

1430 **Surface and Colloid Science (Progress in Colloid and Polymer Science, Vol. 116)**

Author: T. Razamus, B. Lindman, and T. Nylander, eds.
Publish.: Springer
- place:
- date: 2001
Desc: 166 p. 8.2 x 10.8 Hardcover
Subject: Colloids and Emulsions - Recommend this Site

Dynix:
Call No.:
ISBN: 354067814
Shelf

Edition:
Series:
Year: 2001
Price: $135.00

1362 **Surface and Colloid Science, Vol. 16**

Author: Egon Matijevic, ed.
Publish.: Plenum Press
- place:
- date: 2001
Desc: 422 p. 6 x 9 Hardcover
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Science

Dynix:
Call No.:
ISBN: 30646456
Shelf

Edition:
Series:
Year: 2001
Price: $121.50

1438 **Surface and Thin Film Analysis: A Compendium of Principles, Instrumentation, and Applicat**

Author: H. Bubert and H. Jenett, eds.
Publish.: Wiley - VCH
- place:
- date: 2002
Desc: 354 p. 6.5 x 9.5 Hardcover
Subject: Surface Characterization and Analysis - Polymer Characterization - QA/QC, Statistics, and Testing

Dynix:
Call No.:
ISBN: 3527304584
Shelf

Edition:
Series:
Year: 2002
Price: $113.50

1175 **Surface Application of Paper Chemicals**

Author: James Brander and Ian Thorn, eds.
Publish.: Blackie Academic & Professional
- place:
- date: 1997
Desc: 288 p. 6 x 9 Hardcover
Subject: Paper and Paperboard - Additives - Coating Processes

Dynix:
Call No.:
ISBN: 751403709
Shelf

Edition:
Series:
Year: 1997
Price: $168.50

1301 **Surface Characteristics of Fibers and Textiles**

Author: Christopher M. Pastore and Paul Kiekens, eds.
Publish.: Marcel Dekker
- place:
- date: 2001
Desc: 306 p. 6 x 9 Hardcover
Subject: Composites, Laminates, and Fibers - Interfacial Engineering and Surface Science - Surface Characterization and Analysis - Textiles and Nonwovens

Dynix:
Call No.:
ISBN: 824700023
Shelf

Edition:
Series:
Year: 2001
Price: $105.00

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Title	Location	Edition / Series / Misc.

1108 Surface Characterization of Advanced Polymers

Author: Luigia Sabbatini and Pier Giorgio Zambonin, eds.
Publish.: Wiley - VCH
- place:
- date: 1993
Desc: 319 p, 6.5 x 9.5 Hardcover
Subject: Surface Characterization and Analysis - Biopolymers and Medical Applications - Polymer Surface Modification -

Dynix:
Call No.:
ISBN: 3527285121
Shelf

Edition:
Series:
Year: 1993
Price: $125.00

1238 Surface Characterization: A User's Sourcebook

Author:
Publish.: Wiley - VCH
- place:
- date: 1997
Desc: 716 p, 6.7 x 9.5 Hardcover
Subject: Surface Characterization and Analysis - QA/QC, Statistics, and Testing

Dynix:
Call No.:
ISBN: 3527288430
Shelf

Edition:
Series:
Year: 1997
Price: $251.50

1535 Surface Chemistry

Author: Elaine M. McCash
Publish.: Oxford University Press
- place:
- date: 2001
Desc: 188 p, 6.5 x 9.5 Paperback
Subject: Interfacial Engineering and Surface Science - Polymer Science - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 198503288
Shelf

Edition:
Series:
Year: 2001
Price: $31.50

1226 Surface Chemistry and Electrochemistry of Membranes

Author: Torben Smith Sorensen, ed.
Publish.: Marcel Dekker
- place:
- date: 1999
Desc: 1030 p, 6 x 9 Hardcover
Subject: Colloids and Emulsions - Biopolymers and Medical Applications - Interfacial Engineering and Surface Science - Materials Science

Dynix:
Call No.:
ISBN: 824719220
Shelf

Edition:
Series:
Year: 1999
Price: $188.50

1034 Surface Coatings: Science and Technology, 2nd Ed.

Author: Swarai Paul
Publish.: John Wiley & Sons
- place:
- date: 1996
Desc: 946 p, 6 x 9 Hardcover
Subject: Paints and Protective Coatings - Additives - Coating Processes

Dynix:
Call No.:
ISBN: 471958182
Shelf

Edition:
Series:
Year: 1996
Price: $336.50

1507 Surface Contamination and Cleaning, Vol. 1

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2003
Desc: 374 p, 6.2 x 9.4 Hardcover
Subject: Materials Science - Surface Characterization and Analysis

Dynix:
Call No.:
ISBN: 9067643769
Shelf

Edition:
Series:
Year: 2003
Price: $183.50

1338 Surface Modes in Physics

Author: Bo E. Sernelius
Publish.: Wiley - VCH
- place:
- date: 2001
Desc: 370 p, 6.5 x 9.5 Hardcover
Subject: Surface Characterization and Analysis - Materials Science

Dynix:
Call No.:
ISBN: 3527403132
Shelf

Edition:
Series:
Year: 2001
Price: $146.50

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Title	Location	Edition / Series / Misc.

1067 **Surface Modification of Polymeric Biomaterials** — Edition:
Author: Buddy D. Ratner and David G. Castner, eds. — *Dynix:* — *Series:*
Publish.: Plenum Press — *Call No.:*
- place: — *ISBN:* 306455129
- date: 1997 — *Shelf* — *Year:* 1997
Desc: 215 p, 6.5 x 10 Hardcover — *Price:* $141.50
Subject: Biopolymers and Medical Applications - Polymer Surface Modification

1005 **Surface Phenomena and Additives in Water-Based Coatings and Printing Technology** — Edition:
Author: Mahendra K. Sharma, ed. — *Dynix:* — *Series:*
Publish.: Plenum Press — *Call No.:*
- place: — *ISBN:* 306441039
- date: 1991 — *Shelf* — *Year:* 1991
Desc: 320 p, 6.5 x 9.8 Hardcover — *Price:* $173.50
Subject: Inks and Coatings - Additives - Coating Processes - Polymer Surface Modification

1033 **Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology** — Edition:
Author: Mahendra K. Sharma and F.J. Micale, eds. — *Dynix:* — *Series:*
Publish.: Plenum Press — *Call No.:*
- place: — *ISBN:* 306437244
- date: 1991 — *Shelf* — *Year:* 1991
Desc: 343 p, 6.5 x 9.8 Hardcover — *Price:* $181.50
Subject: Coating Processes - Additives - Inks and Coatings - Printing Technology

1058 **Surface Phenomena and Latexes in Waterborne Coatings and Printing Techonology** — Edition:
Author: Mahendra K. Sharma, ed. — *Dynix:* — *Series:*
Publish.: Plenum Press — *Call No.:*
- place: — *ISBN:* 306451069
- date: 1995 — *Shelf* — *Year:* 1995
Desc: 240 p, 6.5 x 9.8 Hardcover — *Price:* $141.50
Subject: Inks and Coatings - Additives - Coating Processes - Printing Technology

1275 **Surface Science Techniques** — Edition:
Author: J.M. Walls and R. Smith, eds. — *Dynix:* — *Series:*
Publish.: Pergamon Press — *Call No.:*
- place: — *ISBN:* 80421482
- date: 1994 — *Shelf* — *Year:* 1994
Desc: 196 p, 8.5 x 11 Hardcover — *Price:* $53.50
Subject: Surface Characterization and Analysis - Polymer Characterization - Polymer Surface Chemistry -

1342 **Surface Science: Foundations of Catalysis and Nanoscience** — Edition:
Author: Kurt W. Kolasinski — *Dynix:* — *Series:*
Publish.: John Wiley & Sons — *Call No.:*
- place: — *ISBN:* 471492450
- date: 2002 — *Shelf* — *Year:* 2002
Desc: 318 p, 6.5 x 9.5 Paperback — *Price:* $45.00
Subject: Surface Characterization and Analysis - Interfacial Engineering and Surface Science

1146 **Surfaces of Nanoparticles and Porous Materials** — Edition:
Author: James A. Schwarz and Cristian I. Contescu, eds. — *Dynix:* — *Series:*
Publish.: Marcel Dekker — *Call No.:*
- place: — *ISBN:* 824719336
- date: 1999 — *Shelf* — *Year:* 1999
Desc: 804 p, 6 x 9 Hardcover — *Price:* $213.50
Subject: Interfacial Engineering and Surface Science - Colloids and Emulsions - Materials Science -

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Title	Location	Edition / Series / Misc.

1416 **Surfactants and Polymers in Drug Delivery**

Author: Martin Malmsten
Publish.: Marcel Dekker
- place:
- date: 2002
Desc: 356 p. 6 x 9 Hardcover
Subject: Biopolymers and Medical Applications - Solubility and Surfactants

Dynix:
Call No.:
ISBN: 824708040
Shelf

Edition:
Series:
Year: 2002
Price: $145.00

1510 **Surfactants in Polymers, Coatings, Inks, and Adhesives**

Author: David R. Karsa, ed.
Publish.: Blackwell Publishing
- place:
- date: 2003
Desc: 320 p. 6.1 x 9.2 Hardcover
Subject: Solubility and Surfactants - Adhesives and Adhesion - Inks and Coatings - Paints and Protective Coatings

Dynix:
Call No.:
ISBN: 84932808
Shelf

Edition:
Series:
Year: 2003
Price: $125.00

1428 **Surfactants: Chemistry, Interfacial Properties, Applications**

Author: V.B. Fainerman, D. Mobius, and R. Miller, eds.
Publish.: Elsevier
- place:
- date: 2001
Desc: 678 p. 6.5 x 9.5 Hardcover with CD-ROM
Subject: Solubility and Surfactants - Interfacial Engineering and Surface Science

Dynix:
Call No.:
ISBN: 444509623
Shelf

Edition:
Series:
Year: 2001
Price: $228.50

1118 **Synthetic Coating Adhesives**

Author: Alan K. Macnair, ed.
Publish.: TAPPI Press
- place:
- date: 1998
Desc: 66 p. 8.5 x 11 Paperback
Subject: Additives - Adhesives and Adhesion - Coating Processes - Inks and Coatings

Dynix:
Call No.:
ISBN: 898523494
Shelf

Edition:
Series:
Year: 1998
Price: $35.00

1550 **Szycher's Handbook of Polyurethanes**

Author: Michael Szycher
Publish.: CRC Press
- place:
- date: 1999
Desc: 700 p., 7 x 10 Hardcover
Subject: Polymer Science

Dynix:
Call No.:
ISBN: 0849306027
Shelf

Edition:
Series:
Year: 1999
Price: $133.50

1153 **Taming the Flexo Process - A Beginning, Experiment and Verification**

Author:
Publish.: FTA
- place:
- date: 1994
Desc: 112 p. 8.5 x 11 Paperback
Subject: Printing Technology - Experimental Design and Analysis

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1994
Price: $15.00

1154 **Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verifica**

Author: Flexo Quality Consortium
Publish.: FTA
- place:
- date: 1997
Desc: 50 p. 8.5 x 11 Paperback
Subject: Printing Technology - Converting Technology - Experimental Design and Analysis

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1997
Price: $15.00

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Title	Location	Edition / Series / Misc.

1155 Taming the Flexo Process, Vol. 4: Plate Construction Project, Experiment and Verification
Author: Flexo Quality Consortium
Publish.: FTA
- place:
- date: 1999
Desc: 28 p. 8.5 x 11 Paperback
Subject: Printing Technology - Experimental Design and Analysis
Dynix:
Call No.:
ISBN:
Shelf
Edition:
Series:
Year: 1999
Price: $15.00

1057 TAPPI 2002 - 2003 Test Methods
Author:
Publish.: TAPPI Press
- place:
- date: 2002
Desc: 0 p. 8.5 x 11 Paperback
Subject: QA/QC, Statistics, and Testing - Adhesives and Adhesion - Converting Technology - General Reference
Dynix:
Call No.:
ISBN: 1930657935
Shelf
Edition:
Series:
Year: 2002
Price: $188.50

1457 Technical Graphics Communication, 3rd Ed.
Author: Gary R. Bertoline and Eric N. Wiebe
Publish.: McGraw-Hill
- place:
- date: 2003
Desc: 1312 p. 8.5 x 10 Hardcover
Subject: General Reference - Recommend this Site
Dynix:
Call No.:
ISBN: 73655988
Shelf
Edition:
Series:
Year: 2003
Price: $85.00

1300 Technology of Plastics Packaging for the Consumer Market
Author: Geoff A. Giles and David R. Bain, eds.
Publish.: CRC Press
- place:
- date: 2001
Desc: 274 p. 6 x 9 Hardcover
Subject: Packaging Technology - Packaging Conformance and Specifications - Packaging: General Reference - Plastic Films
Dynix:
Call No.:
ISBN: 84930508
Shelf
Edition:
Series:
Year: 2001
Price: $133.50

1193 Tension Control
Author: Kee-Hyun Shin
Publish.: TAPPI Press
- place:
- date: 2000
Desc: 130 p. 8.5 x 11 Paperback
Subject: Converting Technology - Paper and Paperboard - Plastic Films - Printing Technology
Dynix:
Call No.:
ISBN: 898523486
Shelf
Edition:
Series:
Year: 2000
Price: $55.00

1020 Test Methods for UV and EB Curable Systems
Author: C. Lowe and P.K.T. Oldring
Publish.: Wiley - SITA Technology
- place:
- date: 1997
Desc: 219 p. 6.8 x 9 Hardcover
Subject: Curing and Photopolymerization Processes - Coating Processes - Experimental Design and Analysis - Printing Technology
Dynix:
Call No.:
ISBN: 471978817
Shelf
Edition:
Series:
Year: 1997
Price: $121.50

1188 Textile Coloration and Finishing
Author: Warren S. Perkins
Publish.: Carolina Academic Press
- place:
- date: 1996
Desc: 248 p. 6 x 9 Hardcover
Subject: Textiles and Nonwovens - Color Theory, Testing, and Analysis
Dynix:
Call No.:
ISBN: 890898855
Shelf
Edition:
Series:
Year: 1996
Price: $45.00

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Title	Location	Edition / Series / Misc.
1171 **Theoretical and Mathematical Models in Polymer Research: Modern Methods in Polymer Rese**		*Edition:*
Author: Alexander Grosberg, ed.	*Dynix:*	*Series:*
Publish.: Academic Press	*Call No.:*	
- place:	*ISBN:* 123041406	
- date: 1998	*Shelf*	*Year:* 1998
Desc: 298 p. 6 x 9 Hardcover		*Price:* $58.50
Subject: Polymer Characterization - Polymer Science		
1066 **Thermal Analysis of Polymers (Rapra Review Report 95)**		*Edition:*
Author: M.P. Sepe	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 1859571077	
- date: 1995	*Shelf*	*Year:* 1995
Desc: 119 p. 8.5 x 11 Paperback		*Price:* $121.50
Subject: Polymer Characterization - Polymer Science		
1539 **Thermal Analysis: Fundamentals and Applications to Polymer Science, 2nd Ed.**		*Edition:*
Author: T. Hatakeyama and F.X. Quinn	*Dynix:*	*Series:*
Publish.: John Wiley & Sons	*Call No.:*	
- place:	*ISBN:* 471983624	
- date: 1999	*Shelf*	*Year:* 1999
Desc: 190 p. 6 x 9 Hardcover		*Price:* $123.50
Subject: Polymer Characterization - Materials Science		
1113 **Thermoforming: A Plastics Processing Guide, 2nd Ed.**		*Edition:*
Author: Geza Gruenwald	*Dynix:*	*Series:*
Publish.: Technomic	*Call No.:*	
- place:	*ISBN:* 1566766257	
- date: 1998	*Shelf*	*Year:* 1998
Desc: 254 p. 6 x 9 Hardcover		*Price:* $108.50
Subject: Plastics Processing Technology - Packaging Technology - Polymer Science		
1232 **Thin Films on Glass**		*Edition:*
Author: Hans Bach and Dieter Krause, eds.	*Dynix:*	*Series:*
Publish.: Springer	*Call No.:*	
- place:	*ISBN:* 3540585974	
- date: 1997	*Shelf*	*Year:* 1997
Desc: 422 p. 6.2 x 9.3 Hardcover		*Price:* $171.50
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Publish.: Rapra
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Author: Stephen Elias
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Author: P.G. Koutsoukos, ed.
Publish.: Springer
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Desc: 310 p, 8.2 x 10.8 Hardcover
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Author: R.J. Del Vecchio
Publish.: Hanser Gardner
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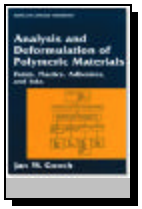	Adhesives and Adhesion Inks and Coatings Polymer Characterization		1180 **Analysis and Deformulation of Polymeric Materials: Paints, Plastics, Adhesives, and Inks** *Author:* Jan W. Gooch *Publish.:* Plenum Press *- place:* *- date:* 1997 *Subject:* Polymer Characterization - Adhesives and Adhesion - Inks and Coat *Desc:* 352 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 306455412 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $143.50
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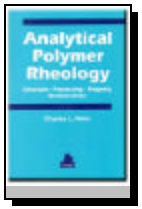
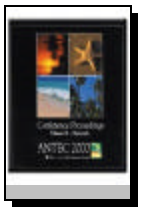
	Extrusion Inks and Coatings Polymer Characterization		1040 **Analytical Polymer Rheology: Structure - Processing - Property Relationships** *Author:* Charles L. Rohn *Publish.:* Hanser Gardner *- place:* *- date:* 1995 *Subject:* Polymer Characterization - Extrusion - Inks and Coatings - Polymer *Desc:* 326 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 156990149 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $123.50
	Coating processes Printing Technology		1073 **Anilox Roll: Heart of the Flexo Process** *Author:* Joseph P. Trungale *Publish.:* Jelmar Publishing *- place:* *- date:* 1997 *Subject:* Printing Technology - Coating Processes *Desc:* 141 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1885067038 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $73.50
	Plastics Processing Technology Polymer Characterization Polymer Science		1287 **ANTEC 2000 Conference Proceedings** *Author:* *Publish.:* SPE *- place:* *- date:* 2000 *Subject:* Plastics Processing Technology - Polymer Characterization - Polym *Desc:* 3880 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1566768551 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $428.50
	Plastics Processing Technology Polymer Science		1333 **ANTEC 2001 Conference Proceedings** *Author:* *Publish.:* SPE *- place:* *- date:* 2001 *Subject:* Plastics Processing Technology - Polymer Science *Desc:* 3920 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1587160986 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $398.50
	Interfacial Engineering and Surface Science Polymer Surface Chemistry Surface Characterization and Analysis		1390 **Apparent and Microscopic Contact Angles** *Author:* J. Drelich. J.S. Laskowski. and K.L. Mittal. eds. *Publish.:* VSP *- place:* *- date:* 2000 *Subject:* Surface Characterization and Analysis - Interfacial Engineering and S *Desc:* 532 p, 6.6 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643211 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $155.00

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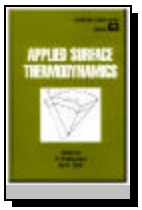
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion Composites, Laminates, and Fibers Textiles and Nonwovens		1353 **Application of Textiles in Rubber** *Author:* David B. Wootton *Publish.:* Rapra *- place:* *- date:* 2001 *Subject:* Textiles and Nonwovens - Adhesives and Adhesion - Composites. *Desc:* 256 p, 7.2 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 1859572774 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $166.50
	Adhesives and Adhesion Colloids and Emulsions Inks and Coatings		1341 **Applications of Synthetic Resin Latices [Vol. 3: Latices in Diverse Applications]** *Author:* Henry Warson and C.A. Finch *Publish.:* John Wiley & Sons *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Adhesives and Adhesion - Inks and Coatir *Desc:* 544 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471954624 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $215.00
	Colloids and Emulsions Interfacial Engineering and Surface Science Polymer Surface Chemistry		1039 **Applied Surface Thermodynamics** *Author:* A.W. Neumann and Jan K. Spelt, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1996 *Subject:* Interfacial Engineering and Surface Science - Colloids and Emulsions *Desc:* 659 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824790960 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $198.50
	Inks and Coatings Paints and Protective Coatings Polymer Science		1332 **Associative Polymers in Aqueous Media (ACS Symposium Series 765)** *Author:* J. Edward Glass, ed. *Publish.:* American Chemical Society *- place:* *- date:* 2000 *Subject:* Polymer Science - Inks and Coatings - Paints and Protective Coatin *Desc:* 434 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841236593 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $125.00
	Composites, Laminates, and Fibers Materials Science Wear, Weathering, and Tribology		1162 **Atlas of Fibre Fracture and Damage to Textiles, 2nd Ed.** *Author:* J. Hearle, ed. *Publish.:* CRC Press *- place:* *- date:* 1998 *Subject:* Composites, Laminates, and Fibers - Materials Science - Wear, Wea *Desc:* 480 p, Hardcover	*Dynix:* *Call No:* *ISBN:* 849338816 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $408.50

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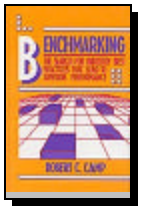
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Additives Polymer Characterization QA/QC, Statistics, and Testing		1493 **Atlas of Plastics Additives: Analysis by Spectrometric Methods** *Author:* Dietrich O. Hummel *Publish.:* Springer *- place:* *- date:* 2002 *Subject:* Additives - Polymer Characterization - QA/QC. Statistics. and Testin *Desc:* 544 p, 8.2 x 10.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540424148 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $338.50
	Quality Assurance		1559 **Benchmarking:Search for Industry Best Practices** *Author:* *Publish.:* ASQC *- place:* *- date:* 1989 *Subject:* Quality Assurance *Desc:* 299 pages, hardbound	*Dynix:* *Call No:* *ISBN:* 0527916358 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1989 *Price:* $42.00
	Polymer Science Recommend this Site		1527 **Beyond Metallocenes: Next-Generation Polymerization Catalysts (ACS Symposium Series 857)** *Author:* Abhimanyu O. Patil and Gregory G. Hlatky, eds. *Publish.:* American Chemical Society *- place:* *- date:* 2003 *Subject:* Polymer Science - Recommend this Site *Desc:* 262 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841238383 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $105.00
	Additives Coating processes Inks and Coatings		1092 **Binder Migration in Paper and Paperboard Coatings** *Author:* Michael J. Whalen-Shaw, ed. *Publish.:* TAPPI Press *- place:* *- date:* 1993 *Subject:* Additives - Coating Processes - Inks and Coatings - Paper and Pape *Desc:* 140 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 898522706 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $55.00
	Biopolymers and Medical Applications Health, Safety, and the Environment Polymer Science		1521 **Biopolymers (Rapra Review Report 159)** *Author:* R.M. Johnson. L.Y. Mwaikambo. and N. Tucker *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Polymer Science - Biopolymers and Medical Applications - Health. S *Desc:* 148 p, 8.2 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573797 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $128.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Biopolymers and Medical Applications Colloids and Emulsions Interfacial Engineering and Surface Science		1120 **Biopolymers at Interfaces, 2nd Ed.** *Author:* Martin Malmsten. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Biopolymers and Medical Applications - Colloids and Emulsions - Int *Desc:* 920 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824708636 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $205.00
	Polymer Characterization Recommend this Site		1531 **Characterisation of Polymers by Thermal Analysis** *Author:* Wim Groenewoud *Publish.:* Elsevier *- place:* *- date:* 2001 *Subject:* Polymer Characterization - Recommend this Site *Desc:* 394 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 444506047 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $155.00
	General Reference Materials Science		1503 **Characterization of Materials (2 Volume Set)** *Author:* Elton N. Kaufmann. ed. *Publish.:* Wiley - Interscience *- place:* *- date:* 2003 *Subject:* Materials Science - General Reference *Desc:* 1420 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 471268828 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $345.00
	General Reference Health, Safety, and the Environment Materials Science		1271 **Chemical Nomenclature** *Author:* K.J. Thurlow. ed. *Publish.:* Kluwer Academic *- place:* *- date:* 1998 *Subject:* General Reference - Health. Safety. and the Environment - Materials *Desc:* 260 p, Hardcover	*Dynix:* *Call No:* *ISBN:* 751404756 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $158.50
	General Reference Recommend this Site		1312 **Chemical Product Design** *Author:* E.L. Cussler and G.D. Moggridge *Publish.:* Cambridge University Press *- place:* *- date:* 2001 *Subject:* General Reference - Recommend this Site *Desc:* 248 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 521796334 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $23.50

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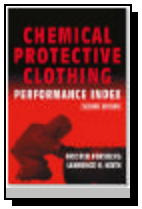
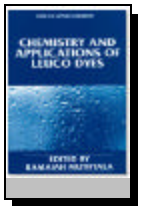
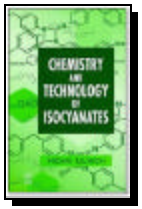
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Interfacial Engineering and Surface Science Materials Science Surface Characterization and Analysis		1317 **Chemical Properties of Material Surfaces** *Author:* Marek Kosmulski *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* Surface Characterization and Analysis - Interfacial Engineering and S *Desc:* 768 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824705602 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $195.00
	Health, Safety, and the Environment Recommend this Site		1258 **Chemical Protective Clothing Performance Index, 2nd Ed.** *Author:* Krister Forsberg and Lawrence H. Keith *Publish.:* Wiley - Interscience *- place:* *- date:* 1999 *Subject:* Health, Safety, and the Environment - Recommend this Site *Desc:* 650 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471328448 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $133.50
	Adhesives and Adhesion Inks and Coatings Paints and Protective Coatings		1123 **Chemistry & Technology of UV & EB Formulation for Coatings, Inks & Paints, Vol. 5: Speciali** *Author:* P.K.T. Oldring, ed. *Publish.:* Wiley - SITA Technology *- place:* *- date:* 1997 *Subject:* Inks and Coatings - Adhesives and Adhesion - Paints and Protective *Desc:* 272 p, 6.5 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471978809 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $113.50
	Color Theory, Testing and Analysis Pigments, Dyes, and Colorants		1181 **Chemistry and Applications of Leuco Dyes** *Author:* Ramaiah Muthyala, ed. *Publish.:* Plenum Press *- place:* *- date:* 1997 *Subject:* Pigments, Dyes, and Colorants - Color Theory, Testing, and Analys *Desc:* 320 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 306454599 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $143.50
	Adhesives and Adhesion Paints and Protective Coatings Polymer Science		1236 **Chemistry and Technology of Isocyanates** *Author:* Henri Ulrich *Publish.:* John Wiley & Sons *- place:* *- date:* 1996 *Subject:* Polymer Science - Adhesives and Adhesion - Paints and Protective *Desc:* 502 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471963712 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $276.50

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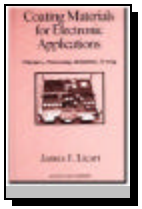
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Additives Color Theory, Testing and Analysis Inks and Coatings		1174 **Chemisty and Technology of Water Based Inks** *Author:* Patrick Laden. ed. *Publish.:* Blackie Academic & Professional *- place:* *- date:* 1997 *Subject:* Inks and Coatings - Additives - Color Theory, Testing, and Analysis *Desc:* 359 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 75140165 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $238.50
	Health, Safety, and the Environment Solubility and Surfactants		1411 **Clean Solvents: Alternative Media for Chemical Reactions and Processing (ACS Symposium S** *Author:* Martin A. Abraham and Luc Moens. eds. *Publish.:* American Chemical Society *- place:* *- date:* 2002 *Subject:* Solubility and Surfactants - Health, Safety, and the Environment *Desc:* 286 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841237794 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $105.00
	Coating processes QA/QC, Statistics, and Testing Textiles and Nonwovens		1413 **Coated and Laminated Textiles** *Author:* Walter Fung *Publish.:* CRC Press *- place:* *- date:* 2002 *Subject:* Textiles and Nonwovens - Coating Processes - QA/QC, Statistics, a *Desc:* 416 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 849314487 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $151.50
	Coating processes Inks and Coatings Textiles and Nonwovens		1377 **Coated Textiles: Principles and Applications** *Author:* Ashish Kumar Sen *Publish.:* Technomic *- place:* *- date:* 2001 *Subject:* Textiles and Nonwovens - Coating Processes - Inks and Coatings *Desc:* 246 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1587160234 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $123.50
	Coating processes Inks and Coatings Paints and Protective Coatings		1506 **Coating Materials for Electronic Applications: Polymers, Processing, Reliability, Testing** *Author:* James J. Licari *Publish.:* Noyes Publications *- place:* *- date:* 2003 *Subject:* Paints and Protective Coatings - Coating Processes - Inks and Coati *Desc:* 550 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514921 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $98.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Coating processes Inks and Coatings Paper and Paperboard		1050 **Coating Processes** *Author:* *Publish.:* TAPPI Press *- place:* *- date:* 1993 *Subject:* Coating Processes - Inks and Coatings - Paper and Paperboard *Desc:* 288 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 898520584 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $116.50
	Proceedings		1561 **Coatings for Asia '99 Conference Proceedings** *Author:* *Publish.:* *- place:* *- date:* 1999 *Subject:* Proceedings *Desc:* 301 pages, soft cover.	*Dynix:* *Call No:* *ISBN:* 0934010471 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $93.00
	Paints and Protective Coatings Recommend this Site		1460 **Coatings of Polymers and Plastics** *Author:* Rose A. Ryntz and Philip V. Yaneff, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Paints and Protective Coatings - Recommend this Site *Desc:* 370 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824708946 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $155.00
	Course Books		1562 **Coatings Technology Lecturer's Manuals Set** *Author:* *Publish.:* ITE *- place:* *- date:* *Subject:* Course Books *Desc:* Set includes nine softbound books.	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* *Price:* $1.050.00
	Converting Technology Extrusion Plastic films		1055 **Coextrusion (Rapra Review Report 62)** *Author:* D. Diordievic *Publish.:* Rapra *- place:* *- date:* 1992 *Subject:* Extrusion - Converting Technology - Plastic Films - Plastics Proces *Desc:* 150 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 90234871 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1992 *Price:* $61.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	General Reference Interfacial Engineering and Surface Science		1374 **Cohesion: A Scientific History of Intermolecular Forces** *Author:* John S. Rowlinson *Publish.:* Cambridge University Press *- place:* *- date:* 2002 *Subject:* Interfacial Engineering and Surface Science - General Reference *Desc:* 342 p, 6.8 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 521810086 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $78.50
	Colloids and Emulsions Interfacial Engineering and Surface Science		1427 **Colloid and Surface Chemistry** *Author:* *Publish.:* Elsevier *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 774 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 444500456 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $198.50
	Colloids and Emulsions Materials Science		1369 **Colloid and Surface Properties of Clays and Related Minerals** *Author:* Rossman F. Giese and Carel J. van Oss. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Colloids and Emulsions - Materials Science *Desc:* 308 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 82479527 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $128.50
	Colloids and Emulsions Recommend this Site		1536 **Colloid Chemistry II** *Author:* Markus Antonietti. ed. *Publish.:* Springer *- place:* *- date:* 2003 *Subject:* Colloids and Emulsions - Recommend this Site *Desc:* 240 p, 6 x 9.3 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540004181 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $166.50
	Biopolymers and Medical Applications Colloids and Emulsions Paints and Protective Coatings		1084 **Colloidal Polymer Particles** *Author:* J.W. Goodwin and R. Buscall. eds. *Publish.:* Academic Press *- place:* *- date:* 1995 *Subject:* Colloids and Emulsions - Biopolymers and Medical Applications - Pa *Desc:* 347 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 122900456 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $108.50

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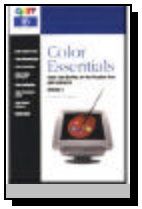
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Fundamentals		1563 **Color and Appearance, 2nd Edition** *Author:* *Publish.:* *- place:* *- date:* *Subject:* Fundamentals *Desc:* 94 pages, Soft Cover.	*Dynix:* *Call No:* *ISBN:* 0934010579 *LCCN:* *Shelf*	*Edition:* 2nd Edition *Series:* *Year:* *Price:* $75.00
	Color Theory, Testing and Analysis Printing Technology QA/QC, Statistics, and Testing		1363 **Color Essentials: Color and Quality for the Graphic Arts & Sciences, Vol. 1** *Author:* Garv G. Field *Publish.:* GATF *- place:* *- date:* 2001 *Subject:* Color Theory, Testing, and Analysis - Printing Technology - QA/QC *Desc:* 110 p, 5.5 x 8.5 Paperback	*Dynix:* *Call No:* *ISBN:* 883623862 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $21.50
	Color Theory, Testing and Analysis General Reference		1495 **Color Space and Its Divisions: Color Order from Antiquity to the Present** *Author:* Rolf G. Kuehni *Publish.:* Wiley - Interscience *- place:* *- date:* 2003 *Subject:* Color Theory, Testing, and Analysis - General Reference *Desc:* 424 p, 6.1 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 471326704 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $93.50
	Color Theory, Testing and Analysis Paints and Protective Coatings Textiles and Nonwovens		1064 **Color: An Introduction to Practice and Principles** *Author:* Rolf G. Kuehni *Publish.:* Wiley - Interscience *- place:* *- date:* 1997 *Subject:* Color Theory, Testing, and Analysis - Paints and Protective Coating *Desc:* 194 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 471145661 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $88.50
	Biopolymers and Medical Applications Pigments, Dyes, and Colorants		1467 **Colorants for Non-Textile Applications** *Author:* H.S. Freeman and A.T. Peters, eds. *Publish.:* Elsevier *- place:* *- date:* 2000 *Subject:* Pigments, Dyes, and Colorants - Biopolymers and Medical Applicati *Desc:* 636 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 444828885 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $175.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Color Theory, Testing and Analysis Pigments, Dyes, and Colorants Plastics Processing Technology		1357 **Coloring of Plastics: Fundamentals, 2nd Ed.** *Author:* Robert A. Charvat. ed. *Publish.:* Wiley - Interscience *- place:* *- date:* 2004 *Subject:* Pigments. Dyes. and Colorants - Color Theory. Testing. and Analys *Desc:* 450 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471139068 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2004 *Price:* $83.50
	Color Theory, Testing and Analysis		1556 **Coloring of Plastics: Fundamentals, Colorants, Preparations** *Author:* Albrecht Muller *Publish.:* Hanser Gardner *- place:* *- date:* 2003 *Subject:* Color Theory. Testing. and Analysis *Desc:* 280 p., 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903522 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $63.50
	Color Theory, Testing and Analysis Pigments, Dyes, and Colorants		1156 **Coloring Technology for Plastics** *Author:* Ronald M. Harris. ed. *Publish.:* Plastics Design Library *- place:* *- date:* 1999 *Subject:* Pigments. Dyes. and Colorants - Color Theory. Testing. and Analys *Desc:* 341 p, 7 x 8.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207782 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $118.50
	Composites, Laminates, and Fibers Materials Science		1224 **Composite Materials: Engineering and Science** *Author:* Frank L. Matthews and R.D. Rawlings *Publish.:* CRC Press *- place:* *- date:* 1999 *Subject:* Composites. Laminates. and Fibers - Materials Science *Desc:* 460 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 84930251 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $48.50
	Polymer Characterization Polymer Surface Chemistry Surface Characterization and Analysis		1512 **Comprehensive Desk Reference of Polymer Characterization and Analysis** *Author:* Robert F. Brady. ed. *Publish.:* Oxford University Press *- place:* *- date:* 2003 *Subject:* Polymer Characterization - Polymer Surface Chemistry - Surface Ch *Desc:* 772 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 841236658 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $305.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Colloids and Emulsions Interfacial Engineering and Surface Science		1277 **Computational Methods in Surface and Colloid Science** *Author:* Malgorzata Borowko. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 950 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824703235 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $195.00
	General Reference Plastics Processing Technology Polymer Science		1124 **Concise Polymeric Materials Encyclopedia** *Author:* Joseph C. Salamone. ed. *Publish.:* CRC Press *- place:* *- date:* 1999 *Subject:* Polymer Science - General Reference - Plastics Processing Techno *Desc:* 1743 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 84932226 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $226.50
	Polymer Science Recommend this Site		1442 **Conducting Polymers and Polymer Electrolytes: From Biology to Photovoltaics (ACS Sympo** *Author:* Judith F. Rubinson and Harry B. Mark. eds. *Publish.:* American Chemical Society *- place:* *- date:* 2002 *Subject:* Polymer Science - Recommend this Site *Desc:* 232 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841237700 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $88.50
	Interfacial Engineering and Surface Science Polymer Science Polymer Surface Chemistry		1359 **Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Opt** *Author:* *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Interfacial Engineering and Surface Science - Polymer Science - Po *Desc:* 884 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824705882 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $198.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Surface Characterization and Analysis		1465 **Contact Angle, Wettability and Adhesion, Vol. 2** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 2002 *Subject:* Surface Characterization and Analysis - Adhesives and Adhesion - I *Desc:* 572 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 906764370 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $245.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion Materials Science Wear, Weathering, and Tribology		1490 **Contact, Adhesion, and Rupture of Elastic Solids** *Author:* Daniel Maugis *Publish.:* Springer *- place:* *- date:* 2000 *Subject:* Materials Science - Adhesives and Adhesion - Wear, Weathering, ar *Desc:* 430 p, 6.1 x 9.3 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540661131 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $103.50
	Materials Science Paints and Protective Coatings Polymer Science		1267 **Copolymerization: Toward a Systematic Approach** *Author:* Cornel Hagiopol *Publish.:* Plenum Press *- place:* *- date:* 1999 *Subject:* Polymer Science - Materials Science - Paints and Protective Coatin *Desc:* 238 p, 6 x 9 Hardcover with CD-ROM	*Dynix:* *Call No:* *ISBN:* 30646179 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $118.50
	Adhesives and Adhesion Converting Technology Paper and Paperboard		1365 **Corrugated Adhesives Preparation, 5th Ed.** *Author:* Craig E. Nordquist, ed. *Publish.:* TAPPI Press *- place:* *- date:* 2001 *Subject:* Adhesives and Adhesion - Converting Technology - Paper and Pap *Desc:* 70 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1930657765 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $101.50
	Converting Technology Packaging Conformance and Specifications Packaging: General Reference		1088 **Corrugating Defect/Remedy Manual, 6th Ed.** *Author:* James T. Carbone, ed. *Publish.:* TAPPI Press *- place:* *- date:* 1999 *Subject:* Converting Technology - Packaging Conformance and Specification *Desc:* 220 p, 11 x 0 Paperback	*Dynix:* *Call No:* *ISBN:* 898525152 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $96.50
	Adhesives and Adhesion Converting Technology Packaging Technology		1213 **Corrugator** *Author:* A. Howard Bessen *Publish.:* Jelmar Publishing *- place:* *- date:* 1999 *Subject:* Converting Technology - Adhesives and Adhesion - Packaging Tec *Desc:* 203 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1885067178 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $71.50

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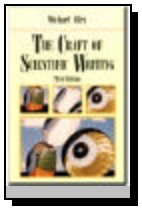	General Reference Recommend this Site		1219 **Craft of Scientific Writing, 3rd Ed.** *Author:* Michael Alley *Publish.:* Springer *- place:* *- date:* 1996 *Subject:* General Reference - Recommend this Site *Desc:* 297 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 387947663 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $22.50
	General Reference Health, Safety, and the Environment		1071 **CRC Handbook of Laboratory Safety, 5th Ed.** *Author:* A. Keith Furr. ed. *Publish.:* CRC Press *- place:* *- date:* 2000 *Subject:* Health. Safety. and the Environment - General Reference *Desc:* 808 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849325234 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $151.50
	Polymer Science Solubility and Surfactants		1335 **CRC Handbook of Thermodynamic Data of Copolymer Solutions** *Author:* Christian Wohlfarth *Publish.:* CRC Press *- place:* *- date:* 2001 *Subject:* Solubility and Surfactants - Polymer Science *Desc:* 516 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849310741 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $185.00
	General Reference Materials Science QA/QC, Statistics, and Testing		1280 **CRC Materials Science and Engineering Handbook, 3rd Ed.** *Author:* James F. Shackelford and William Alexander *Publish.:* CRC Press *- place:* *- date:* 2001 *Subject:* Materials Science - General Reference - QA/QC. Statistics. and Test *Desc:* 1950 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849326966 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $178.50
	Coating processes Converting Technology Experimental Design and Analysis		1366 **Critical Thinking in Converting: A Guide to Industrial Problem-Solving** *Author:* David R. Roisum *Publish.:* TAPPI Press *- place:* *- date:* 2002 *Subject:* Converting Technology - Coating Processes - Experimental Design *Desc:* 274 p, 6.8 x 9.8 Paperback	*Dynix:* *Call No:* *ISBN:* 1930657773 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $88.50

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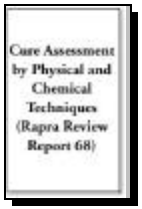
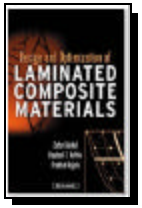
	Polymer Science Recommend this Site		1378 **Crystallization of Polymers, 2nd Ed. [Vol. 1: Equilibrium Concepts]** *Author:* Leo Mandelkern *Publish.:* Cambridge University Press *- place:* *- date:* 2002 *Subject:* Polymer Science - Recommend this Site *Desc:* 448 p, 6.8 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 521816815 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $93.50
	Curing and Photopolymerization Processes Inks and Coatings Paints and Protective Coatings		1031 **Cure Assessment by Physical and Chemical Techniques (Rapra Review Report 68)** *Author:* B.G. Willoughby *Publish.:* Rapra *- place:* *- date:* 1994 *Subject:* Curing and Photopolymerization Processes - Inks and Coatings - Pa *Desc:* 122 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859570003 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $61.50
	Biopolymers and Medical Applications Composites, Laminates, and Fibers Curing and Photopolymerization Processes		1541 **Cure Monitoring for Composites and Adhesives (Rapra Review Report 164)** *Author:* David R. Mulligan *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Curing and Photopolymerization Processes - Biopolymers and Medi *Desc:* 116 p, 8.2 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573932 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $128.50
	Composites, Laminates, and Fibers Materials Science		1170 **Design and Optimization of Laminated Composite Materials** *Author:* Zafer Gurdal, Raphael T. Haftka, and Prabhat Hajela *Publish.:* Wiley - Interscience *- place:* *- date:* 1999 *Subject:* Composites, Laminates, and Fibers - Materials Science *Desc:* 349 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 47125276 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $105.00
	Biopolymers and Medical Applications QA/QC, Statistics, and Testing		1142 **Design Controls for the Medical Device Industry** *Author:* Marie B. Teixeira and Richard Bradley *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* QA/QC, Statistics, and Testing - Biopolymers and Medical Applicatic *Desc:* 250 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 82470830 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $116.50

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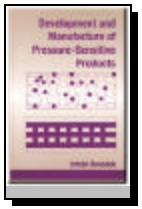	Adhesives and Adhesion Coating processes Converting Technology		1145 **Development and Manufacture of Pressure-Sensitive Products** *Author:* Istvan Benedek *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Adhesives and Adhesion - Coating Processes - Converting Technol *Desc:* 692 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824702069 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $188.50
	Pigments, Dyes, and Colorants Recommend this Site		1519 **Developments in Colorants for Plastics (Rapra Review Report 157)** *Author:* Ian N. Christensen *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Pigments, Dyes, and Colorants - Recommend this Site *Desc:* 120 p, 8.2 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573738 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $128.50
	General Reference Paper and Paperboard		1048 **Dictionary of Paper, 5th Ed.** *Author:* Michael Kouris, ed. *Publish.:* TAPPI Press *- place:* *- date:* 1996 *Subject:* Paper and Paperboard - General Reference *Desc:* 353 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 898520592 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $83.50
	Materials Science Plastic films		1444 **Dielectrics in Electric Fields** *Author:* Gorur G. Raju *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Materials Science - Plastic Films *Desc:* 596 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824708644 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $155.00
	Biopolymers and Medical Applications Polymer Science Solubility and Surfactants		1041 **Diffusion in and Through Polymers: Principles and Applications** *Author:* W.R. Vieth *Publish.:* Hanser Gardner *- place:* *- date:* 1991 *Subject:* Polymer Science - Biopolymers and Medical Applications - Solubilit *Desc:* 336 p, Hardcover	*Dynix:* *Call No:* *ISBN:* 1569901066 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1991 *Price:* $61.50

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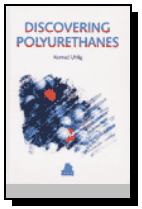
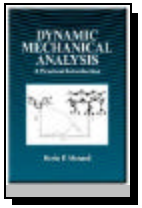
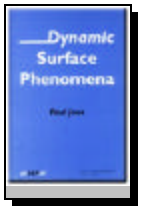
	Plastics Processing Technology		1558 **Discovering Polyurethanes** *Author:* Konrad Uhlig *Publish.:* Hanser Gardner *- place:* *- date:* 1999 *Subject:* Plastics Processing Technology *Desc:* 183 p., 6.3 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902720 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $55.00
	Adhesives and Adhesion Biopolymers and Medical Applications Interfacial Engineering and Surface Science		1264 **Drops and Bubbles in Interfacial Research** *Author:* D. Mobius and R. Miller. eds. *Publish.:* Elsevier *- place:* *- date:* 1998 *Subject:* Interfacial Engineering and Surface Science - Adhesives and Adhesi *Desc:* 726 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 44482894 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $235.00
	Plastics Processing Technology Polymer Characterization Polymer Science		1133 **Dynamic Mechanical Analysis for Plastics Engineering** *Author:* Michael P. Sepe *Publish.:* Plastics Design Library *- place:* *- date:* 1998 *Subject:* Polymer Characterization - Plastics Processing Technology - Polym *Desc:* 200 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1884207642 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $205.00
	Materials Science Plastics Processing Technology Polymer Characterization		1166 **Dynamic Mechanical Analysis: A Practical Introduction to Techniques and Applications** *Author:* Kevin P. Menard *Publish.:* CRC Press *- place:* *- date:* 1999 *Subject:* Polymer Characterization - Materials Science - Plastics Processing *Desc:* 224 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 849386888 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $71.50
	Interfacial Engineering and Surface Science Surface Characterization and Analysis		1463 **Dynamic Surface Phenomena** *Author:* Paul Joos *Publish.:* VSP *- place:* *- date:* 1999 *Subject:* Surface Characterization and Analysis - Interfacial Engineering and S *Desc:* 374 p, 6.7 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643009 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $193.50

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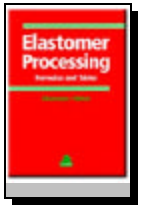
	Interfacial Engineering and Surface Science Recommend this Site		1479 **Dynamics of Molecule Surface Interactions** *Author:* Gert Due Billing *Publish.:* Wiley - Interscience *- place:* *- date:* 2000 *Subject:* Interfacial Engineering and Surface Science - Recommend this Site *Desc:* 246 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471331082 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $101.50
	Additives Extrusion Wear, Weathering, and Tribology		1028 **Effect of UV Light and Weather on Plastics and Elastomers** *Author:* Plastics Design Library Staff *Publish.:* Plastics Design Library *- place:* *- date:* 1994 *Subject:* Wear, Weathering, and Tribology - Additives - Extrusion - Materials *Desc:* 491 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207111 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $205.00
	Additives Plastics Processing Technology		1255 **Elastomer Processing: Formulas and Tables** *Author:* Werner Kleeman and Kurt Weber *Publish.:* Hanser Gardner *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Additives *Desc:* 214 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 1569902658 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $55.00
	Colloids and Emulsions Interfacial Engineering and Surface Science Solubility and Surfactants		1121 **Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications** *Author:* Hirovuki Ohshima and Kunio Furusawa, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Interfacial Engineering and Surface Science - Colloids and Emulsions *Desc:* 645 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824790391 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $213.50
	Colloids and Emulsions Polymer Science		1522 **Emulsion Polymerisation and Latex Applications (Rapra Review Report 160)** *Author:* Christopher D. Anderson and Eric S. Daniels *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Colloids and Emulsions - Polymer Science *Desc:* 150 p, 8.2 x 11.6 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573819 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $128.50

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	Colloids and Emulsions Recommend this Site		1516 **Emulsion Science: Basic Principles, An Overview** *Author:* *Publish.:* Springer *- place:* *- date:* 2002 *Subject:* Colloids and Emulsions - Recommend this Site *Desc:* 148 p, 6.1 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540436820 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $86.50
	Biopolymers and Medical Applications Colloids and Emulsions Interfacial Engineering and Surface Science		1308 **Emulsions, Foams, and Thin Films** *Author:* K.L. Mittal and Promod Kumar. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Interfacial Engineering and Surface Science - Biopolymers and Medi *Desc:* 512 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824703669 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $168.50
	Colloids and Emulsions Interfacial Engineering and Surface Science		1410 **Emulsions: Theory and Practice, 3rd Ed.** *Author:* Paul Becher *Publish.:* American Chemical Society *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 520 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 841234965 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $98.50
	General Reference Health, Safety, and the Environment		1163 **Encyclopedic Dictionary of Named Processes in Chemical Technology, 2nd Ed.** *Author:* A.E. Comyns. ed. *Publish.:* CRC Press *- place:* *- date:* 1999 *Subject:* General Reference - Health. Safety. and the Environment *Desc:* 368 p, Hardcover	*Dynix:* *Call No:* *ISBN:* 849312051 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $73.50
	Colloids and Emulsions Interfacial Engineering and Surface Science		1310 **Encyclopedic Handbook of Emulsion Technology** *Author:* Johan Sjoblom. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 750 p, 8.3 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 824704541 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $188.50

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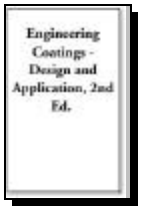	Coating processes Paints and Protective Coatings Wear, Weathering, and Tribology		1158 **Engineering Coatings - Design and Application, 2nd Ed.** *Author:* Stan Grainger and Jane Blunt. eds. *Publish.:* William Andrew *- place:* *- date:* 1998 *Subject:* Coating Processes - Paints and Protective Coatings - Wear. Weather *Desc:* 331 p, 6.7 x 9.6 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207685 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $123.50
	Experimental Design and Analysis General Reference QA/QC, Statistics, and Testing		1249 **Engineering Procedures Handbook** *Author:* Phillip A. Cloud *Publish.:* Noves Publications *- place:* *- date:* 1997 *Subject:* General Reference - Experimental Design and Analysis - QA/QC. St *Desc:* 432 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514107 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $78.50
	Materials Science QA/QC, Statistics, and Testing		1320 **Engineering With Rubber: How to Design Rubber Components, 2nd Ed.** *Author:* Alan N. Gent. ed. *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Materials Science - QA/QC. Statistics. and Testing *Desc:* 380 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902992 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $91.50
	Health, Safety, and the Environment Printing Technology		1324 **Environmental Regulations for Printers: How to Comply with Environmental Rules While Mak** *Author:* Fred Shapiro *Publish.:* Jelmar Publishing *- place:* *- date:* 2003 *Subject:* Printing Technology - Health. Safety. and the Environment *Desc:* 964 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1885067089 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $298.50
	Plastics Processing Technology Solubility and Surfactants Wear, Weathering, and Tribology		1116 **Environmental Stress Cracking of Plastics** *Author:* D.C. Wright. ed. *Publish.:* Rapra *- place:* *- date:* 1996 *Subject:* Wear. Weathering. and Tribology - Plastics Processing Technology *Desc:* 150 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 185957064 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $153.50

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	Composites, Laminates, and Fibers Materials Science QA/QC, Statistics, and Testing		1456 **Experimental Characterization of Advanced Composite Materials, 3rd Ed.** *Author:* Donald F. Adams, Leif A. Carlsson, and R. Byron Pipes *Publish.:* CRC Press *- place:* *- date:* 2003 *Subject:* Composites, Laminates, and Fibers - Materials Science - QA/QC, St *Desc:* 250 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 1587161001 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $161.50
	Experimental Design and Analysis Solubility and Surfactants		1538 **Experimental Determination of Solubilities** *Author:* G.T. Hefter and R.P.T. Tomkins, eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Experimental Design and Analysis *Desc:* 658 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471497088 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $243.50
	Recommend this Site Surface Characterization and Analysis		1470 **Experimental Methods in the Physical Sciences [Vol. 38: Advances in Surface Science]** *Author:* Hari Singh Nalwa, ed. *Publish.:* Academic Press *- place:* *- date:* 2001 *Subject:* Surface Characterization and Analysis - Recommend this Site *Desc:* 468 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 124759858 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $135.00
	Experimental Design and Analysis QA/QC, Statistics, and Testing		1273 **Experimental Quality: A Strategic Approach to Achieve and Improve Quality** *Author:* Jiju Antony and Mike Kaye *Publish.:* Kluwer Academic *- place:* *- date:* 2000 *Subject:* QA/QC, Statistics, and Testing - Experimental Design and Analysis *Desc:* 268 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 412814404 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $133.50
	Experimental Design and Analysis Plastics Processing Technology Polymer Characterization		1080 **Experimental Strategies for Polymer Scientists and Plastics Engineers** *Author:* Richard C. Neuman *Publish.:* Hanser Gardner *- place:* *- date:* 1997 *Subject:* Experimental Design and Analysis - Plastics Processing Technolog *Desc:* 168 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902240 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $55.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Coating processes Converting Technology Extrusion		1167 **Extrusion Coating Manual, 4th Ed.** *Author:* Thomas Bezigian, ed. *Publish.:* TAPPI Press *- place:* *- date:* 1999 *Subject:* Coating Processes - Converting Technology - Extrusion - Paper and *Desc:* 331 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 898520673 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $105.00
	Materials Science Wear, Weathering, and Tribology		1029 **Fatigue and Tribological Properties of Plastics and Elastomers** *Author:* Plastics Design Library Staff *Publish.:* Plastics Design Library *- place:* *- date:* 1995 *Subject:* Wear, Weathering, and Tribology - Materials Science *Desc:* 537 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207154 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $205.00
	Patents and Intellectual Property Recommend this Site		1509 **Filing Patents Online: A Professional Guide** *Author:* Sarfaraz K. Niazi *Publish.:* CRC Press *- place:* *- date:* 2003 *Subject:* Patents and Intellectual Property - Recommend this Site *Desc:* 450 p, 6 x 9.2 Paperback	*Dynix:* *Call No:* *ISBN:* 849316243 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $63.50
	Additives Plastics Processing Technology		1420 **Fillers and Filled Polymers (Macromolecular Symposia 169)** *Author:* Jean-Francois Gerard, ed. *Publish.:* Wiley - VCH *- place:* *- date:* 2001 *Subject:* Additives - Plastics Processing Technology *Desc:* 348 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527303316 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $175.00
	Converting Technology Extrusion Plastic films		1052 **Film Extrusion Manual: Process, Materials, Properties** *Author:* Thomas I. Butler and Earl W. Veazey, eds. *Publish.:* TAPPI Press *- place:* *- date:* 1992 *Subject:* Plastic Films - Converting Technology - Extrusion - Plastics Proces *Desc:* 791 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 898522501 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1992 *Price:* $135.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Plastic films Recommend this Site		1152 **Film Processing** *Author:* Toshitaka Kanai and Gregory A. Campbell. eds. *Publish.:* Hanser Gardner *- place:* *- date:* 1999 *Subject:* Plastic Films - Recommend this Site *Desc:* 400 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902526 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $135.00
	Health, Safety, and the Environment Recommend this Site		1242 **Fire and Explosion Hazards Handbook of Industrial Chemicals** *Author:* Tatyana A. Davletshina and Nicholas P. Cheremisinoff *Publish.:* Noves Publications *- place:* *- date:* 1998 *Subject:* Health. Safety. and the Environment - Recommend this Site *Desc:* 494 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514298 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $113.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Polymer Surface Modification		1462 **First International Congress on Adhesion Science and Technology: Festschrift in Honor of D** *Author:* W.J. van Ooii and H.R. Anderson. Jr.. eds. *Publish.:* VSP *- place:* *- date:* 1998 *Subject:* Adhesives and Adhesion - Interfacial Engineering and Surface Scien *Desc:* 948 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067642916 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $228.50
	Color Theory, Testing and Analysis Printing Technology QA/QC, Statistics, and Testing		1151 **FIRST: Flexographic Image Reproduction Specifications & Tolerances, 2nd Ed.** *Author:* *Publish.:* FTA *- place:* *- date:* 2004 *Subject:* QA/QC. Statistics. and Testing - Color Theory. Testing. and Analysi *Desc:* 0 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2004 *Price:* $63.50
	General Reference Health, Safety, and the Environment Materials Science		1114 **Flammability Handbook for Plastics, 5th Ed.** *Author:* Carlos J. Hidalgo *Publish.:* Technomic *- place:* *- date:* 1998 *Subject:* Health. Safety. and the Environment - General Reference - Materials *Desc:* 350 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566766516 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $171.50

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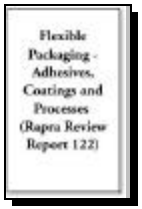
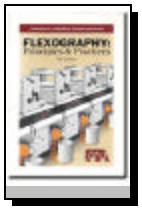
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion Coating processes Converting Technology		1309 **Flexible Packaging - Adhesives, Coatings and Processes (Rapra Review Report 122)** *Author:* T.E. Rolando *Publish.:* Rapra *- place:* *- date:* 2000 *Subject:* Converting Technology - Adhesives and Adhesion - Coating Proces *Desc:* 114 p, 8.3 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859572316 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $108.50
	Converting Technology Packaging Conformance and Specifications Packaging: General Reference		1100 **Flexo Folder-Gluer/Rotary Diecutter Problem Identification Guide** *Author:* Russell L. Smith *Publish.:* Jelmar Publishing *- place:* *- date:* 1998 *Subject:* Converting Technology - Packaging Conformance and Specification *Desc:* 72 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1885067143 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $38.50
	Inks and Coatings Printing Technology		1149 **Flexographic Ink: A Process Approach** *Author:* FFTA Staff *Publish.:* FTA *- place:* *- date:* 1998 *Subject:* Inks and Coatings - Printing Technology *Desc:* 167 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $51.50
	Converting Technology Packaging: General Reference Printing Technology		1168 **Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board** *Author:* Joel J. Shulman. ed. *Publish.:* TAPPI Press *- place:* *- date:* 1999 *Subject:* Printing Technology - Converting Technology - Packaging: General *Desc:* 60 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 898523567 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $35.00
	Converting Technology Inks and Coatings Printing Technology		1150 **Flexography: Principles & Practices, 5th Ed.** *Author:* *Publish.:* FTA *- place:* *- date:* 2000 *Subject:* Printing Technology - Converting Technology - Inks and Coatings *Desc:* 920 p, 8 x 10.5 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $108.50

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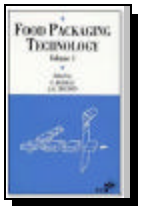
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Coating processes Polymer Surface Chemistry Polymer Surface Modification		1304 **Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)** *Author:* David G. Castner and David W. Grainger. eds. *Publish.:* American Chemical Society *- place:* *- date:* 2001 *Subject:* Polymer Surface Chemistry - Coating Processes - Polymer Surface *Desc:* 256 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841236232 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $88.50
	Biopolymers and Medical Applications Colloids and Emulsions Interfacial Engineering and Surface Science		1265 **Foam and Foam Films: Theory, Experiment, Application** *Author:* Dotchi Exerowa and Pyotr M. Kruglyakov *Publish.:* Elsevier *- place:* *- date:* 1998 *Subject:* Colloids and Emulsions - Biopolymers and Medical Applications - Int *Desc:* 795 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 444819223 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $253.50
	Extrusion Materials Science Plastics Processing Technology		1282 **Foam Extrusion: Principles and Practice** *Author:* Shau-Tarng Lee. ed. *Publish.:* Technomic *- place:* *- date:* 2000 *Subject:* Extrusion - Materials Science - Plastics Processing Technology *Desc:* 365 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566768799 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $178.50
	Health, Safety, and the Environment Packaging Conformance and Specifications Packaging Technology		1164 **Food Packaging Technology, Vol. 1** *Author:* G. Bureau and J.-L. Multon. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 1996 *Subject:* Packaging Technology - Health, Safety, and the Environment - Pack *Desc:* 398 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471186414 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $221.50
	Packaging Technology Packaging: General Reference Solubility and Surfactants		1291 **Food Packaging: Testing Methods and Applications (ACS Symposium Series 753)** *Author:* Sara J. Risch. ed. *Publish.:* American Chemical Society *- place:* *- date:* 2000 *Subject:* Packaging Technology - Packaging: General Reference - Solubility a *Desc:* 174 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841236178 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $65.00

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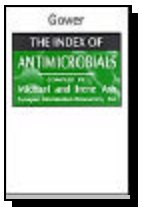
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Colloids and Emulsions Solubility and Surfactants		1477 **Formulation Technology: Emulsions, Suspensions, Solid Forms** *Author:* *Publish.:* Wiley - VCH *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Solubility and Surfactants *Desc:* 446 p, 6.7 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527302018 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $206.50
	Biopolymers and Medical Applications Polymer Surface Modification		1148 **Frontiers in Biomedical Polymer Applications, Vol. 1** *Author:* Raphael M. Ottenbrite, ed. *Publish.:* Technomic *- place:* *- date:* 1998 *Subject:* Biopolymers and Medical Applications - Polymer Surface Modificatio *Desc:* 331 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566765773 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $166.50
	Raw Materials		1564 **Functional Index Series: Index of Anti-Microbials** *Author:* *Publish.:* Gower *- place:* *- date:* 1996 *Subject:* Raw Materials *Desc:* 468 pages.	*Dynix:* *Call No:* *ISBN:* 0566078163 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $225.00
	Raw Materials		1565 **Functional Index Series: Index of Flame Retardants** *Author:* *Publish.:* Gower *- place:* *- date:* 1997 *Subject:* Raw Materials *Desc:* 305 pages.	*Dynix:* *Call No:* *ISBN:* 0566078856 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $225.00
	Raw Materials		1566 **Functional Index Series: Index of Solvents** *Author:* *Publish.:* Gower *- place:* *- date:* 1996 *Subject:* Raw Materials *Desc:* 589 pages, hard bound	*Dynix:* *Call No:* *ISBN:* 0566078848 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $225.00

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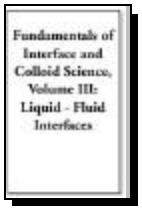
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Polymer Science Recommend this Site		1372 **Functionalization of Polyolefins** *Author:* T.C. Mike Chung *Publish.:* Academic Press *- place:* *- date:* 2002 *Subject:* Polymer Science - Recommend this Site *Desc:* 288 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 121746518 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $55.00
	Adhesives and Adhesion Colloids and Emulsions Interfacial Engineering and Surface Science		1009 **Fundamentals of Adhesion** *Author:* Lieng-Huang Lee. ed. *Publish.:* Plenum Press *- place:* *- date:* 1991 *Subject:* Adhesives and Adhesion - Colloids and Emulsions - Interfacial Engir *Desc:* 472 p, 6.5 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 306434709 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1991 *Price:* $165.00
	Adhesives and Adhesion Interfacial Engineering and Surface Science Polymer Surface Chemistry		1396 **Fundamentals of Adhesion and Interfaces** *Author:* D.S. Rimai. L.P. DeMejo. and K.L. Mittal. eds. *Publish.:* VSP *- place:* *- date:* 1995 *Subject:* Adhesives and Adhesion - Interfacial Engineering and Surface Scien *Desc:* 304 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067641979 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $85.00
	Colloids and Emulsions Interfacial Engineering and Surface Science		1281 **Fundamentals of Interface and Colloid Science [Vol 3: Liquid - Fluid Interfaces]** *Author:* Hans Lyklema. ed. *Publish.:* Academic Press *- place:* *- date:* 2000 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 790 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 124605230 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $108.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Materials Science		1063 **Fundamentals of Interfacial Engineering** *Author:* Robert J. Stokes and D. Fennell Evans *Publish.:* Wiley - VCH *- place:* *- date:* 1997 *Subject:* Interfacial Engineering and Surface Science - Adhesives and Adhesi *Desc:* 729 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471186473 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $98.50

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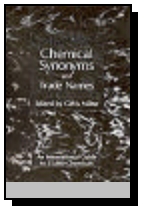
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Polymer Science Recommend this Site		1015 **Fundamentals of Polymer Science: An Introductory Text, 2nd Ed.** *Author:* P.C. Painter and M.M. Coleman *Publish.:* Technomic *- place:* *- date:* 1997 *Subject:* Polymer Science - Recommend this Site *Desc:* 492 p, Hardcover	*Dynix:* *Call No:* *ISBN:* 1566765595 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $105.00
	Reference		1567 **Gardner's Chemical Synonyms and Trade Names** *Author:* *Publish.:* Gower *- place:* *- date:* 1999 *Subject:* Reference *Desc:* 1418 pages, hardbound	*Dynix:* *Call No:* *ISBN:* 0566081903 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $325.00
	Color Theory, Testing and Analysis General Reference Inks and Coatings		1159 **GATF Encyclopedia of Graphic Communications** *Author:* Frank J. Romano and Richard M. Romano, eds. *Publish.:* GATF *- place:* *- date:* 1998 *Subject:* General Reference - Color Theory, Testing, and Analysis - Inks and *Desc:* 985 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 883621908 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $138.50
	Color Theory, Testing and Analysis Printing Technology		1182 **GATF Practical Guide to Color Management, 2nd Ed.** *Author:* Richard M. Adams II and Joshua B. Weisberg *Publish.:* GATF *- place:* *- date:* 2000 *Subject:* Color Theory, Testing, and Analysis - Printing Technology *Desc:* 250 p, 7.5 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 883622483 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $58.50
	General Reference Plastics Processing Technology		1379 **Glossary of Plastics Terminology in Five Languages, 5th Ed.** *Author:* Wolfgang Glenz, ed. *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* General Reference - Plastics Processing Technology *Desc:* 390 p, 4.6 x 7.5 Paperback with CD-ROM	*Dynix:* *Call No:* *ISBN:* 156990328 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $36.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Health, Safety, and the Environment Solubility and Surfactants		1499 **Green Solvents for Chemistry: Perspectives and Practice** *Author:* William M. Nelson *Publish.:* Oxford University Press *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Health, Safety, and the Environment *Desc:* 400 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 195157362 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $133.50
	Materials Science Polymer Characterization QA/QC, Statistics, and Testing		1065 **Guide to Materials Characterization and Chemical Analysis, 2nd Ed.** *Author:* John P. Sibilia, ed. *Publish.:* Wiley - VCH *- place:* *- date:* 1996 *Subject:* Materials Science - Polymer Characterization - QA/QC, Statistics, ar *Desc:* 400 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471186333 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $96.50
	General Reference Health, Safety, and the Environment		1348 **Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.** *Author:* *Publish.:* Wiley - Interscience *- place:* *- date:* 2001 *Subject:* Health, Safety, and the Environment - General Reference *Desc:* 650 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 471254479 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $135.00
	Biopolymers and Medical Applications Health, Safety, and the Environment QA/QC, Statistics, and Testing		1023 **Guidelines for Laboratory Quality Auditing** *Author:* Donald C. Singer and Ronald P. Upton *Publish.:* Marcel Dekker *- place:* *- date:* 1993 *Subject:* QA/QC, Statistics, and Testing - Biopolymers and Medical Applicatic *Desc:* 421 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824787846 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $68.50
	Health, Safety, and the Environment Solubility and Surfactants		1484 **Handbook for Critical Cleaning** *Author:* Barbara Kanegsberg and Edward Kanegsberg, eds. *Publish.:* CRC Press *- place:* *- date:* 2001 *Subject:* Solubility and Surfactants - Health, Safety, and the Environment *Desc:* 680 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849316553 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $126.50

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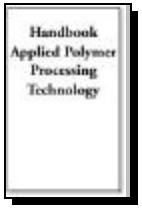
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion QA/QC, Statistics, and Testing		1038 **Handbook of Adhesive Technology, 2nd Ed.** *Author:* A. Pizzi and K.L. Mittal. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Adhesives and Adhesion - QA/QC, Statistics, and Testing *Desc:* 1036 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824709861 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $215.00
	Adhesives and Adhesion Recommend this Site		1400 **Handbook of Adhesives and Sealants** *Author:* Edward M. Petrie *Publish.:* McGraw-Hill *- place:* *- date:* 2000 *Subject:* Adhesives and Adhesion - Recommend this Site *Desc:* 902 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 70498881 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $81.50
	Adhesives and Adhesion Recommend this Site		1401 **Handbook of Adhesives and Sealants in Construction** *Author:* Joseph S. Amstock *Publish.:* McGraw-Hill *- place:* *- date:* 2001 *Subject:* Adhesives and Adhesion - Recommend this Site *Desc:* 656 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 7001616 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $71.50
	Polymer Characterization QA/QC, Statistics, and Testing		1437 **Handbook of Analytical Techniques, Vols. 1 & 2** *Author:* Helmut Gunzler and Alex Williams. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 2001 *Subject:* QA/QC, Statistics, and Testing - Polymer Characterization *Desc:* 1198 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527301658 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $418.50
	Plastics Processing Technology		1547 **Handbook of Applied Polymer Processing Technology** *Author:* Nicholas P. Cheremisinoff and Paul N. Cheremisinoff *Publish.:* Marcel Dekker *- place:* *- date:* 1996 *Subject:* Plastics Processing Technology *Desc:* 802 p., 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 0824796799 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $213.50

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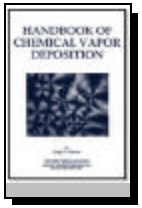
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Colloids and Emulsions Interfacial Engineering and Surface Science Solubility and Surfactants		1419 **Handbook of Applied Surface and Colloid Chemistry, Vols. 1 and 2** *Author:* Krister Holmberg, ed. *Publish.:* John Wiley & Sons *- place:* *- date:* 2002 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 1110 p, 7.4 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 471490830 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $665.00
	Recommend this Site Solubility and Surfactants		1523 **Handbook of Aqueous Solubility Data** *Author:* Samuel H. Yalkowsky and Yan He *Publish.:* CRC Press *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Recommend this Site *Desc:* 1512 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849315328 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $268.50
	General Reference Health, Safety, and the Environment		1409 **Handbook of Chemical Health and Safety** *Author:* Robert J. Alaimo, ed. *Publish.:* American Chemical Society *- place:* *- date:* 2001 *Subject:* Health, Safety, and the Environment - General Reference *Desc:* 672 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 841236704 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $53.50
	Composites, Laminates, and Fibers Inks and Coatings Materials Science		1208 **Handbook of Chemical Vapor Deposition: Principles, Technology and Applications, 2nd Ed.** *Author:* Hugh O. Pierson *Publish.:* Noyes Publications *- place:* *- date:* 1999 *Subject:* Materials Science - Composites, Laminates, and Fibers - Inks and C *Desc:* 436 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514328 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $98.50
	Coating processes Inks and Coatings Materials Science		1207 **Handbook of Deposition Technologies for Films and Coatings: Science, Technology and App** *Author:* Rointan F. Bunshah, ed. *Publish.:* Noyes Publications *- place:* *- date:* 1994 *Subject:* Coating Processes - Inks and Coatings - Materials Science - *Desc:* 888 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815513372 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $128.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Converting Technology Experimental Design and Analysis Paper and Paperboard		1140 **Handbook of Experimental Methods for Process Improvement** *Author:* David C. Drain *Publish.:* Chapman & Hall *- place:* *- date:* 1997 *Subject:* Experimental Design and Analysis - Converting Technology - Paper *Desc:* 448 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 412127016 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $71.50
	Composites, Laminates, and Fibers Materials Science Textiles and Nonwovens		1094 **Handbook of Fiber Chemistry, 2nd Ed.** *Author:* Menachem Lewin and Eli M. Pearce, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Composites, Laminates, and Fibers - Materials Science - Textiles a *Desc:* 1105 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824794710 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $235.00
	Additives Composites, Laminates, and Fibers Textiles and Nonwovens		1074 **Handbook of Fiber Finish Technology** *Author:* Philip E. Slade *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Composites, Laminates, and Fibers - Additives - Textiles and Nonv *Desc:* 534 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824700481 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $163.50
	Additives Health, Safety, and the Environment		1131 **Handbook of Fillers, 2nd Ed.** *Author:* George Wypych *Publish.:* ChemTec Publishing *- place:* *- date:* 1999 *Subject:* Additives - Health, Safety, and the Environment *Desc:* 910 p, 6.5 x 9.3 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207693 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $205.00
	General Reference Printing Technology		1197 **Handbook of Graphic Arts Equations** *Author:* Manfred H. Breede *Publish.:* GATF *- place:* *- date:* 1999 *Subject:* Printing Technology - General Reference *Desc:* 248 p, 7.5 x 10 Paperback with CD-ROM	*Dynix:* *Call No:* *ISBN:* 883622467 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $41.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Interfacial Engineering and Surface Science Materials Science Surface Characterization and Analysis		1358 **Handbook of IR Spectroscopy of Ultrathin Films** *Author:* *Publish.:* Wiley - Interscience *- place:* *- date:* 2003 *Subject:* Surface Characterization and Analysis - Interfacial Engineering and S *Desc:* 736 p, 6.1 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 47135404 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $133.50
	Materials Science QA/QC, Statistics, and Testing Wear, Weathering, and Tribology		1117 **Handbook of Material Weathering, 3rd Ed.** *Author:* George Wypych *Publish.:* ChemTec Publishing *- place:* *- date:* 2003 *Subject:* Wear, Weathering, and Tribology - Materials Science - QA/QC, Statis *Desc:* 756 p, 6.4 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514786 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $205.00
	Colloids and Emulsions Polymer Characterization Solubility and Surfactants		1229 **Handbook of Microemulsion Science and Technology** *Author:* Promod Kumar and K.L. Mittal, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Colloids and Emulsions - Polymer Characterization - Solubility and S *Desc:* 860 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824719794 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $188.50
	Composites, Laminates, and Fibers Paper and Paperboard QA/QC, Statistics, and Testing		1318 **Handbook of Physical Testing of Paper, 2nd Ed., Vol 1** *Author:* *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* Paper and Paperboard - Composites, Laminates, and Fibers - QA/Q *Desc:* 1040 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824704983 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $165.00
	Adhesives and Adhesion Coating processes Polymer Surface Modification		1209 **Handbook of Physical Vapor Deposition (PVD) Processing: Film Formation, Adhesion, Surfac** *Author:* Donald H. Mattox *Publish.:* Noyes Publications *- place:* *- date:* 1998 *Subject:* Polymer Surface Modification - Adhesives and Adhesion - Coating P *Desc:* 948 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514220 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $143.50

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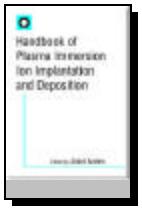
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Interfacial Engineering and Surface Science Materials Science Polymer Surface Modification		1293 **Handbook of Plasma Immersion Ion Implantation and Deposition** *Author:* Andre Anders. ed. *Publish.:* John Wiley & Sons *- place:* *- date:* 2000 *Subject:* Materials Science - Interfacial Engineering and Surface Science - Pol *Desc:* 760 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471246980 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $156.50
	Plastic films Recommend this Site		1520 **Handbook of Plastic Films** *Author:* Elsaved M. Abdel-Bary. ed. *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Plastic Films - Recommend this Site *Desc:* 416 p, 7.3 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 185957338 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $166.50
	Polymer Characterization QA/QC, Statistics, and Testing		1514 **Handbook of Plastics Analysis** *Author:* Hubert Lobo and Jose V. Bonilla. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Polymer Characterization - QA/QC. Statistics. and Testing *Desc:* 656 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824707087 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $168.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Materials Science		1032 **Handbook of Plastics Joining: A Practical Guide** *Author:* Plastics Design Library Staff *Publish.:* Plastics Design Library *- place:* *- date:* 1997 *Subject:* Materials Science - Adhesives and Adhesion - Interfacial Engineerinc *Desc:* 485 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207170 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $205.00
	Experimental Design and Analysis Plastics Processing Technology Polymer Characterization		1137 **Handbook of Plastics Testing Technology, 2nd Ed.** *Author:* Vishu Shah *Publish.:* Wiley - Interscience *- place:* *- date:* 1998 *Subject:* Experimental Design and Analysis - Plastics Processing Technolog *Desc:* 368 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471182028 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $105.00

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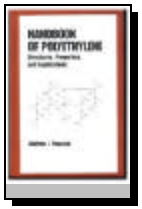
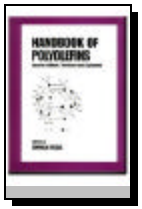
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Materials Science Plastics Processing Technology Polymer Science		1259 **Handbook of Polycarbonate Science and Technology** *Author:* Donald G. LeGrand and John T. Bendler. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Polymer Science - Materials Science - Plastics Processing Technol *Desc:* 370 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824799151 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $133.50
	Extrusion Packaging Technology Plastics Processing Technology		1260 **Handbook of Polyethylene: Structures, Properties, and Applications** *Author:* Andrew J. Peacock *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Plastics Processing Technology - Extrusion - Packaging Technolog *Desc:* 542 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824795466 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $161.50
	Materials Science Polymer Characterization QA/QC, Statistics, and Testing		1459 **Handbook of Polymer Testing: Short-Term Mechanical Tests** *Author:* Roger Brown. ed. *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Polymer Characterization - Materials Science - QA/QC. Statistics. ar *Desc:* 220 p, 7.3 x 9.8 Paperback	*Dynix:* *Call No:* *ISBN:* 185957324 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $123.50
	Polymer Surface Chemistry Solubility and Surfactants		1008 **Handbook of Polymer-Liquid Interaction Parameters and Solubility Parameters** *Author:* Allan F.M. Barton. ed. *Publish.:* CRC Press *- place:* *- date:* 1990 *Subject:* Solubility and Surfactants - Polymer Surface Chemistry *Desc:* 768 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849335442 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1990 *Price:* $445.00
	Additives Plastics Processing Technology Polymer Science		1307 **Handbook of Polyolefins, 2nd Ed.** *Author:* Cornelia Vasile. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Polymer Science - Additives - Plastics Processing Technology - Pc *Desc:* 1030 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 824786033 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $213.50

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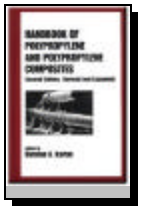
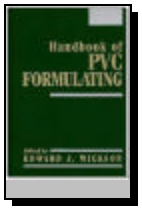
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Composites, Laminates, and Fibers Materials Science Plastics Processing Technology		1228 **Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.** *Author:* Harutun G. Karian. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Materials Science - Composites. Laminates. and Fibers - Plastics Pr *Desc:* 756 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824740645 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $168.50
	Additives Polymer Science		1109 **Handbook of Polyvinyl Choloride Formulating** *Author:* Edward J. Wickson. ed. *Publish.:* Wiley - Interscience *- place:* *- date:* 1993 *Subject:* Additives - Polymer Science *Desc:* 947 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471601829 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $263.50
	Adhesives and Adhesion Biopolymers and Medical Applications Coating processes		1192 **Handbook of Pressure Sensitive Adhesive Technology, 3rd Ed.** *Author:* Donatas Satas. ed. *Publish.:* Satas & Associates *- place:* *- date:* 1999 *Subject:* Adhesives and Adhesion - Biopolymers and Medical Applications - (*Desc:* 1038 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 963799339 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $171.50
	General Reference Printing Technology		1488 **Handbook of Print Media: Technologies and Manufacturing Processes** *Author:* Helmut Kipphan. ed. *Publish.:* Springer *- place:* *- date:* 2001 *Subject:* Printing Technology - General Reference *Desc:* 1228 p, 7.5 x 9.5 Hardcover with CD-ROM	*Dynix:* *Call No:* *ISBN:* 3540673261 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $93.50
	General Reference Printing Technology		1199 **Handbook of Printing Processes** *Author:* Deborah L. Stevenson *Publish.:* GATF *- place:* *- date:* 1994 *Subject:* Printing Technology - General Reference *Desc:* 270 p, 5.5 x 8.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 883621649 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $58.50

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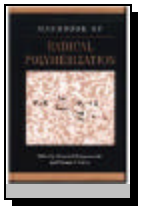
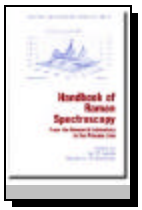
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Colloids and Emulsions Paper and Paperboard QA/QC, Statistics, and Testing		1085 **Handbook of Pulping and Papermaking, 2nd Ed.** *Author:* Christopher J. Biermann *Publish.:* Academic Press *- place:* *- date:* 1996 *Subject:* Paper and Paperboard - Colloids and Emulsions - QA/QC. Statistics *Desc:* 782 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 120973626 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $73.50
	Polymer Science Recommend this Site		1434 **Handbook of Radical Polymerization** *Author:* Krzvstof Matviaszewski and Thomas P. Davis. eds. *Publish.:* Wilev - Interscience *- place:* *- date:* 2002 *Subject:* Polymer Science - Recommend this Site *Desc:* 930 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 47139274 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $185.00
	QA/QC, Statistics, and Testing Surface Characterization and Analysis		1315 **Handbook of Raman Spectroscopy: From the Research Laboratory to the Process Line** *Author:* Ian R. Lewis and Howell G.M. Edwards. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* QA/QC. Statistics. and Testing - Surface Characterization and Analy *Desc:* 1074 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824705572 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $195.00
	Adhesives and Adhesion Materials Science		1354 **Handbook of Rubber Bonding** *Author:* Brvan Crowther. ed. *Publish.:* Rapra *- place:* *- date:* 2001 *Subject:* Adhesives and Adhesion - Materials Science *Desc:* 396 p, 7.2 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 1859571670 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $218.50
	Recommend this Site Solubility and Surfactants		1007 **Handbook of Solubility Parameters and Other Cohesion Parameters, 2nd Ed.** *Author:* Allan F.M. Barton. ed. *Publish.:* CRC Press *- place:* *- date:* 1991 *Subject:* Solubility and Surfactants - Recommend this Site *Desc:* 766 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849301769 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1991 *Price:* $295.00

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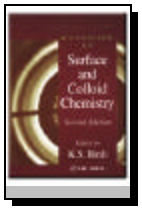
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Colloids and Emulsions Polymer Surface Chemistry		1072 **Handbook of Surface and Colloid Chemistry, 2nd Ed.** *Author:* K.S. Birdi. ed. *Publish.:* CRC Press *- place:* *- date:* 2002 *Subject:* Colloids and Emulsions - Polymer Surface Chemistry *Desc:* 864 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849310792 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $253.50
	Biopolymers and Medical Applications Colloids and Emulsions Surface Characterization and Analysis		1087 **Handbook of Surface and Interface Analysis: Methods for Problem-Solving** *Author:* J.C. Riviere and S. Myhra. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Surface Characterization and Analysis - Biopolymers and Medical A *Desc:* 995 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824700805 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $198.50
	QA/QC, Statistics, and Testing Solubility and Surfactants Surface Characterization and Analysis		1340 **Handbook of Surfactant Analysis: Chemical, Physico-Chemical, and Physical Methods** *Author:* Dieter O. Hummel *Publish.:* John Wiley & Sons *- place:* *- date:* 2000 *Subject:* Solubility and Surfactants - QA/QC. Statistics. and Testing - Surface *Desc:* 412 p, 7.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 471720461 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $253.50
	Polymer Characterization Recommend this Site		1530 **Handbook of Thermal Analysis and Calorimetry [Vol. 3: Applications to Polymers and Plastic** *Author:* Stephen Z.D. Cheng. ed. *Publish.:* Elsevier *- place:* *- date:* 2003 *Subject:* Polymer Characterization - Recommend this Site *Desc:* 858 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 444512861 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $198.50
	Polymer Science		1554 **Handbook of Thermoplastic Polyesters** *Author:* Stovko Fakirov. ed. *Publish.:* John Wiley & Sons *- place:* *- date:* 2002 *Subject:* Polymer Science *Desc:* 1416 p., 6.6 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527301135 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $525.00

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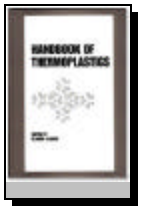
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Plastics Processing Technology Polymer Science		1135 **Handbook of Thermoplastics** *Author:* Olagoke Olabisi. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1997 *Subject:* Plastics Processing Technology - Polymer Science *Desc:* 1072 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824797973 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $225.00
	Adhesives and Adhesion Inks and Coatings Polymer Science		1203 **Handbook of Thermoset Plastics, 2nd Ed.** *Author:* Sidney H. Goodman. ed. *Publish.:* Noyes Publications *- place:* *- date:* 1998 *Subject:* Polymer Science - Adhesives and Adhesion - Inks and Coatings - M *Desc:* 604 p, 6 x 9.3 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514212 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $95.00
	Coating processes Materials Science Surface Characterization and Analysis		1414 **Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.** *Author:* Krishna Seshan. ed. *Publish.:* Noyes Publications *- place:* *- date:* 2002 *Subject:* Coating Processes - Materials Science - Surface Characterization ar *Desc:* 658 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514425 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $98.50
	General Reference QA/QC, Statistics, and Testing		1272 **Handbook of Total Quality Management** *Author:* Christian N. Madu. ed. *Publish.:* Kluwer Academic *- place:* *- date:* 1998 *Subject:* QA/QC. Statistics. and Testing - General Reference *Desc:* 834 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 41275360 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $285.00
	General Reference Health, Safety, and the Environment		1345 **Hawley's Condensed Chemical Dictionary, 14th Print Ed.** *Author:* Richard S. Lewis. Sr. *Publish.:* John Wiley & Sons *- place:* *- date:* 2001 *Subject:* General Reference - Health. Safety. and the Environment *Desc:* 1240 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471387355 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $138.50

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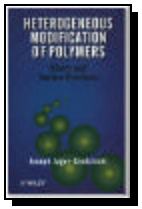
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Composites, Laminates, and Fibers Materials Science Polymer Science		1068 **Heterogeneous Modification of Polymers: Matrix and Surface Reactions** *Author:* Joseph Jagur-Grodzinski *Publish.:* John Wiley & Sons *- place:* *- date:* 1997 *Subject:* Polymer Science - Composites, Laminates, and Fibers - Materials S *Desc:* 277 p, 6 x 9 CD-ROM	*Dynix:* *Call No:* *ISBN:* 471942871 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $136.50
	QA/QC, Statistics, and Testing Recommend this Site		1011 **How to Assure Quality in Plastics** *Author:* Merry Keating *Publish.:* Hanser Gardner *- place:* *- date:* 1995 *Subject:* QA/QC, Statistics, and Testing - Recommend this Site *Desc:* 231 p, 6.2 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569901805 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $65.00
	General Reference Health, Safety, and the Environment		1254 **How to Find Chemical Information: A Guide for Practicing Chemists, Educators, and Student** *Author:* Robert E. Maizell *Publish.:* John Wiley & Sons *- place:* *- date:* 1998 *Subject:* General Reference - Health, Safety, and the Environment *Desc:* 540 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471125792 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $78.50
	Patents and Intellectual Property Recommend this Site		1184 **How to Make Patent Drawings Yourself, 3rd Ed.** *Author:* David Pressman and Jack Lo *Publish.:* Nolo Press *- place:* *- date:* 2001 *Subject:* Patents and Intellectual Property - Recommend this Site *Desc:* 258 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 873377885 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $15.00
	Polymer Characterization Polymer Science QA/QC, Statistics, and Testing		1216 **HPLC of Polymers** *Author:* Harald Pasch and Bernd Trathnigg *Publish.:* Springer *- place:* *- date:* 1999 *Subject:* Polymer Characterization - Polymer Science - QA/QC, Statistics, an *Desc:* 236 p, 6 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 3540655514 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $56.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Biopolymers and Medical Applications Coating processes		1112 **Hydrophilic Polymer Coatings for Medical Devices: Structure/Properties, Development, Manuf** *Author:* Richard J. LaPorte *Publish.:* Technomic *- place:* *- date:* 1997 *Subject:* Biopolymers and Medical Applications - Coating Processes *Desc:* 198 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 1566765048 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $178.50
	Proceedings		1571 **ICE '99 Annual Meeting Program Proceedings** *Author:* *Publish.:* FSCT *- place:* *- date:* 1999 *Subject:* Proceedings *Desc:* 568 pages, soft cover.	*Dynix:* *Call No:* *ISBN:* 0934010455 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $109.00
	Proceedings		1568 **ICE 2000 Annual Meeting Program Proceedings** *Author:* *Publish.:* FSCT *- place:* *- date:* 2000 *Subject:* Proceedings *Desc:* 874 pages, soft cover.	*Dynix:* *Call No:* *ISBN:* 0934010463 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $109.00
	Proceedings		1569 **ICE 2001 Annual Meeting Program Proceedings** *Author:* *Publish.:* FSCT *- place:* *- date:* 2001 *Subject:* Proceedings *Desc:* 834 pages, soft cover.	*Dynix:* *Call No:* *ISBN:* 0934010544 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $119.00
	Proceedings		1570 **ICE 2002 Annual Meeting Program Proceedings** *Author:* *Publish.:* FSCT *- place:* *- date:* 2002 *Subject:* Proceedings *Desc:* 900 pages, soft cover.	*Dynix:* *Call No:* *ISBN:* 0934010560 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $129.00

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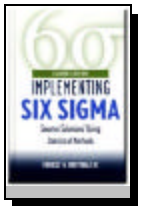
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Converting Technology Paper and Paperboard Plastic films		1491 **Identification and Control of Sheet and Film Processes** *Author:* *Publish.:* Springer *- place:* *- date:* 2000 *Subject:* Plastic Films - Converting Technology - Paper and Paperboard - *Desc:* 184 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1852333057 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $83.50
	Polymer Characterization		1551 **Imaging and Image Analysis Applications for Plastics** *Author:* Behnam Pourdeyhimi, ed. *Publish.:* Plastics Design Library *- place:* *- date:* 1999 *Subject:* Polymer Characterization *Desc:* 315 p., 7 x 8.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207812 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $118.50
	Interfacial Engineering and Surface Science Surface Characterization and Analysis		1336 **Impact of Surface Science on Catalysis** *Author:* Bruce C. Gates and Helmut Knoezinger, eds. *Publish.:* Academic Press *- place:* *- date:* 2001 *Subject:* Interfacial Engineering and Surface Science - Surface Characterizatio *Desc:* 460 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 122772512 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $63.50
	Experimental Design and Analysis QA/QC, Statistics, and Testing		1252 **Implementing Six Sigma: Smarter Solutions Using Statistical Methods, 2nd Ed.** *Author:* Forrest W. Breyfogle III *Publish.:* John Wiley & Sons *- place:* *- date:* 2003 *Subject:* QA/QC, Statistics, and Testing - Experimental Design and Analysis *Desc:* 1226 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471265721 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $91.50
	Converting Technology Packaging Conformance and Specifications Packaging Technology		1099 **Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of C** *Author:* Russell L. Smith *Publish.:* Jelmar Publishing *- place:* *- date:* 1998 *Subject:* Converting Technology - Packaging Conformance and Specification *Desc:* 485 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1885067135 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $115.00

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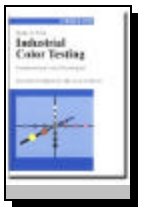
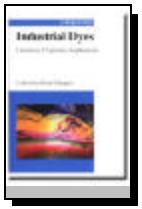
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Coating processes Plastic films Plastics Processing Technology		1448 **In-Mould Decoration of Plastics (Rapra Review Report 146)** *Author:* J.C. Love and V. Goodship *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Plastics Processing Technology - Coating Processes - Plastic Films *Desc:* 128 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573282 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $123.50
	General Reference Recommend this Site		1326 **Indexing: A Nuts-and-Bolts Guide for Technical Writers** *Author:* Kurt Ament *Publish.:* William Andrew *- place:* *- date:* 2001 *Subject:* General Reference - Recommend this Site *Desc:* 108 p, 6.7 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 815514816 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $28.50
	Color Theory, Testing and Analysis Paints and Protective Coatings		1147 **Industrial Color Testing: Fundamentals and Techniques, 2nd Ed.** *Author:* Hans G. Volz *Publish.:* Wiley - VCH *- place:* *- date:* 2001 *Subject:* Color Theory, Testing, and Analysis - Paints and Protective Coating *Desc:* 390 p, 6.8 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527304363 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $171.50
	Color Theory, Testing and Analysis Pigments, Dyes, and Colorants Textiles and Nonwovens		1424 **Industrial Dyes: Chemistry, Properties, Applications** *Author:* Klaus Hunger, ed. *Publish.:* Wiley - VCH *- place:* *- date:* 2003 *Subject:* Pigments, Dyes, and Colorants - Color Theory, Testing, and Analys *Desc:* 684 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527304266 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $223.50
	Health, Safety, and the Environment Recommend this Site		1243 **Industrial Fire Safety Guidebook** *Author:* Tatyana A. Davletshina *Publish.:* Noyes Publications *- place:* *- date:* 1998 *Subject:* Health, Safety, and the Environment - Recommend this Site *Desc:* 540 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514204 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $113.50

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	Pigments, Dyes, and Colorants		1549 **Industrial Organic Pigments: Production, Properties, Applications, 3rd Ed.** *Author:* Klaus Hunger and Willy Herbst *Publish.:* Wiley - VCH *- place:* *- date:* 2004 *Subject:* Pigments, Dyes, and Colorants *Desc:* 675 p., Hardcover	*Dynix:* *Call No:* *ISBN:* 3527305769 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2004 *Price:* $191.50
	General Reference Plastics Processing Technology		1095 **Industrial Plastics: Theory and Applications, 4th Ed.** *Author:* Erik Lokensgard *Publish.:* Delmar *- place:* *- date:* 2004 *Subject:* Plastics Processing Technology - General Reference *Desc:* 546 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1401804691 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2004 *Price:* $76.50
	Health, Safety, and the Environment Paints and Protective Coatings Solubility and Surfactants		1483 **Industrial Solvents Handbook, 2nd Ed.** *Author:* Nicholas P. Cheremisinoff *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Health, Safety, and the Environment - Pa *Desc:* 358 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824740335 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $153.50
	General Reference Health, Safety, and the Environment Solubility and Surfactants		1248 **Industrial Solvents Handbook, 5th Ed.** *Author:* Ernest W. Flick *Publish.:* Noyes Publications *- place:* *- date:* 1998 *Subject:* Solubility and Surfactants - General Reference - Health, Safety, and t *Desc:* 996 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514131 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $138.50
	Polymer Characterization Polymer Science		1323 **Infrared and Raman Spectroscopy of Polymers (Rapra Review Report 134)** *Author:* J.L. Koenig *Publish.:* Rapra *- place:* *- date:* 2001 *Subject:* Polymer Characterization - Polymer Science *Desc:* 148 p, 8.3 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859572847 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $123.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Experimental Design and Analysis Inks and Coatings Printing Technology		1364 **Ink Trapping and Colorimetric Variation** *Author:* Anthony P. Stanton *Publish.:* GATF *- place:* *- date:* 2001 *Subject:* Printing Technology - Experimental Design and Analysis - Inks and *Desc:* 48 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 883623773 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $63.50
	Composites, Laminates, and Fibers Interfacial Engineering and Surface Science Polymer Surface Chemistry		1082 **Interfacial Aspects Multicomponent Polymer Materials** *Author:* *Publish.:* Plenum Press *- place:* *- date:* 1997 *Subject:* Polymer Surface Chemistry - Composites, Laminates, and Fibers - I *Desc:* 309 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 306457180 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $158.50
	Interfacial Engineering and Surface Science Polymer Surface Chemistry Printing Technology		1247 **Interfacial Dynamics** *Author:* Nikola Kallay, ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Interfacial Engineering and Surface Science - Polymer Surface Chen *Desc:* 750 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824700066 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $168.50
	Colloids and Emulsions Interfacial Engineering and Surface Science Materials Science		1399 **Interfacial Electrochemistry: Theory, Experiment, and Applications** *Author:* Andrzej Wieckowski, ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Interfacial Engineering and Surface Science - Colloids and Emulsions *Desc:* 992 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 82476000 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $198.50
	Biopolymers and Medical Applications Colloids and Emulsions Interfacial Engineering and Surface Science		1081 **Interfacial Phenomena and Bioproducts** *Author:* John L. Brash and Peter W. Wojciechowski, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1996 *Subject:* Biopolymers and Medical Applications - Colloids and Emulsions - Int *Desc:* 521 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824796519 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $123.50

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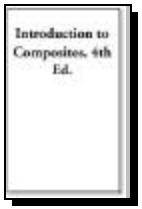
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Interfacial Engineering and Surface Science Materials Science Surface Characterization and Analysis		1471 **Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)** *Author:* Jane Frommer and Rene M. Overney, eds. *Publish.:* American Chemical Society *- place:* *- date:* 2001 *Subject:* Interfacial Engineering and Surface Science - Materials Science - Sur *Desc:* 360 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 841236917 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $103.50
	Interfacial Engineering and Surface Science Recommend this Site		1502 **Interfacial Supramolecular Assemblies** *Author:* Johannes G. Vos, Robert J. Forster, and Tia E. Keyes *Publish.:* John Wiley & Sons *- place:* *- date:* 2003 *Subject:* Interfacial Engineering and Surface Science - Recommend this Site *Desc:* 328 p, 7.4 x 9.7 Hardcover	*Dvnix:* *Call No:* *ISBN:* 471490717 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $196.50
	Interfacial Engineering and Surface Science		1548 **Intermolecular & Surface Forces, 3rd Ed.** *Author:* Jacob N. Israelachvili *Publish.:* Academic Press *- place:* *- date:* 2003 *Subject:* Interfacial Engineering and Surface Science *Desc:* 600 p., 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 0123751829 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $61.50
	Composites, Laminates, and Fibers Materials Science Wear, Weathering, and Tribology		1231 **Introduction to Composite Materials, 2nd Ed.** *Author:* D. Hull and T.W. Clyne *Publish.:* Cambridge University Press *- place:* *- date:* 1996 *Subject:* Composites, Laminates, and Fibers - Materials Science - Wear, Wea *Desc:* 342 p, 6 x 9 Paperback	*Dvnix:* *Call No:* *ISBN:* 521388554 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $41.50
	Composites, Laminates, and Fibers Materials Science		1105 **Introduction to Composites, 4th Ed.** *Author:* Tara E. Miller, ed. *Publish.:* Composites Institute *- place:* *- date:* 1998 *Subject:* Composites, Laminates, and Fibers - Materials Science *Desc:* 100 p, 6 x 9 Paperback	*Dvnix:* *Call No:* *ISBN:* 1566766591 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $53.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Color Theory, Testing and Analysis Printing Technology QA/QC, Statistics, and Testing		1253 **Introduction to Densitometry: A User's Guide to Print Production Measurement Using Densit(** *Author:* Peter Brehm *Publish.:* Graphic Communication Association *- place:* *- date:* 1999 *Subject:* QA/QC, Statistics, and Testing - Color Theory, Testing, and Analysi *Desc:* 100 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 933505116 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $23.50
	Fundamentals		1572 **Introduction to Polymers and Resins, 2nd Edition** *Author:* *Publish.:* FSCT *- place:* *- date:* *Subject:* Fundamentals *Desc:* 60 pages, soft cover	*Dynix:* *Call No:* *ISBN:* 0934010285 *LCCN:* *Shelf*	*Edition:* 2nd Editio *Series:* *Year:* *Price:* $30.00
	Training Videos		1573 **Introduction to Quality Control Testing Video** *Author:* Pacific Northwest Society for Coatings Technology *Publish.:* FSCT *- place:* *- date:* *Subject:* Training Videos *Desc:* VHS format	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* *Price:* $135.00
	Recommend this Site Surface Characterization and Analysis		1497 **Introduction to Surface Analysis by XPS and AES** *Author:* John F. Watts and John Wolstenholme *Publish.:* John Wiley & Sons *- place:* *- date:* 2003 *Subject:* Surface Characterization and Analysis - Recommend this Site *Desc:* 224 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 470847131 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $46.50
	Experimental Design and Analysis Materials Science		1534 **Introduction to Thermal Analysis: Techniques and Applications, 2nd Ed.** *Author:* Michael E. Brown *Publish.:* Kluwer Academic *- place:* *- date:* 2001 *Subject:* Materials Science - Experimental Design and Analysis *Desc:* 276 p, 6.3 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1402004729 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $58.50

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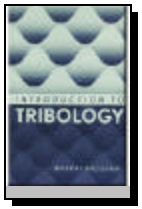
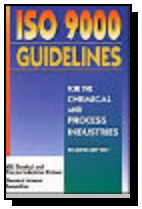
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Recommend this Site Wear, Weathering, and Tribology		1418 **Introduction to Tribology** *Author:* Bharat Bhushan *Publish.:* John Wiley & Sons *- place:* *- date:* 2002 *Subject:* Wear, Weathering, and Tribology - Recommend this Site *Desc:* 752 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471158933 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $108.50
	General Reference Patents and Intellectual Property		1186 **Inventor's Notebook, 3rd Ed.** *Author:* Fred Grissom and David Pressman *Publish.:* Nolo Press *- place:* *- date:* 2000 *Subject:* Patents and Intellectual Property - General Reference *Desc:* 224 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 873375998 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $8.50
	General Reference Health, Safety, and the Environment Solubility and Surfactants		1436 **Ionic Liquids in Synthesis** *Author:* Peter Wasserscheid and Tom Welton. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - General Reference - Health. Safety. and t *Desc:* 380 p, 9.4 x 0 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527305157 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $155.00
	Polymer Science Recommend this Site		1269 **Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol.** *Author:* Judit E. Puskas. ed. *Publish.:* Kluwer Academic *- place:* *- date:* 1999 *Subject:* Polymer Science - Recommend this Site *Desc:* 404 p, 6.3 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 792358120 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $75.00
	Quality Assurance		1574 **ISO 9000 Guidelines for the Chemical & Process Industries** *Author:* *Publish.:* ASQC *- place:* *- date:* 1996 *Subject:* Quality Assurance *Desc:* 150 pages, soft cover.	*Dynix:* *Call No:* *ISBN:* 0873893522 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $36.00

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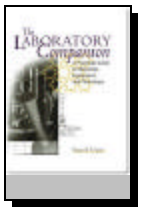
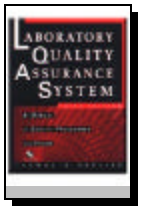
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Quality Assurance		1575 **ISO 9000 Implementation for Small Businesses** *Author:* *Publish.:* ASOC *- place:* *- date:* 1996 *Subject:* Quality Assurance *Desc:* 209 pages, hardbound	*Dynix:* *Call No:* *ISBN:* 0873893506 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $42.00
	Plastics Processing Technology		1552 **Joining of Plastics: Handbook for Designers and Engineers, 2nd Ed.** *Author:* Jordan Rotheiser *Publish.:* Hanser Gardner *- place:* *- date:* 2004 *Subject:* Plastics Processing Technology *Desc:* 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903549 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2004 *Price:* $123.50
	General Reference Health, Safety, and the Environment		1075 **Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique** *Author:* Gary S. Coyne *Publish.:* Wiley - Interscience *- place:* *- date:* 1997 *Subject:* General Reference - Health. Safety. and the Environment *Desc:* 572 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471184225 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $78.50
	Health, Safety, and the Environment Recommend this Site		1294 **Laboratory Health & Safety Dictionary** *Author:* W. Carl Gottschall and Douglas B. Walters *Publish.:* John Wiley & Sons *- place:* *- date:* 2001 *Subject:* Health. Safety. and the Environment - Recommend this Site *Desc:* 468 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 471283177 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $53.50
	QA/QC, Statistics, and Testing Recommend this Site		1500 **Laboratory Quality Assurance System: A Manual of Quality Procedures and Forms, 3rd Ed.** *Author:* Thomas A. Ratliff *Publish.:* Wiley - Interscience *- place:* *- date:* 2003 *Subject:* QA/QC. Statistics. and Testing - Recommend this Site *Desc:* 244 p, 8.5 x 11 Paperback with CD-ROM	*Dynix:* *Call No:* *ISBN:* 471269182 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $88.50

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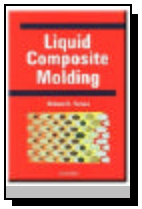
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Polymer Science Polymer Surface Chemistry		1191 **Lattice Models of Polymers** *Author:* Carlo Vanderzande *Publish.:* Cambridge University Press *- place:* *- date:* 1998 *Subject:* Polymer Science - Polymer Surface Chemistry *Desc:* 232 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 521559936 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $28.50
	Quality Assurance		1576 **Let's Work Smarter, Not Harder** *Author:* *Publish.:* *- place:* *- date:* 1997 *Subject:* Quality Assurance *Desc:* 280 pages, hardbound.	*Dynix:* *Call No:* *ISBN:* 0873893867 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $36.00
	Polymer Science Recommend this Site		1433 **Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120** *Author:* T. Nylander and B. Lindman, eds. *Publish.:* Springer *- place:* *- date:* 2002 *Subject:* Polymer Science - Recommend this Site *Desc:* 108 p, 8.2 x 10.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540430016 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $56.50
	Composites, Laminates, and Fibers Materials Science		1286 **Liquid Composite Molding** *Author:* Richard S. Parnas *Publish.:* Hanser Gardner *- place:* *- date:* 2000 *Subject:* Composites, Laminates, and Fibers - Materials Science *Desc:* 180 p, 6.5 x 9.5 Hardcover with CD-ROM	*Dynix:* *Call No:* *ISBN:* 1569902879 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $81.50
	Coating processes Colloids and Emulsions Experimental Design and Analysis		1178 **Liquid Film Coating: Scientific Principles and Their Technological Implications** *Author:* Stephan F. Kistler and Peter M. Schweizer, eds. *Publish.:* Chapman & Hall *- place:* *- date:* 1997 *Subject:* Coating Processes - Colloids and Emulsions - Experimental Design *Desc:* 795 p, 7.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 412064812 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $311.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Biopolymers and Medical Applications Interfacial Engineering and Surface Science Solubility and Surfactants		1257 **Liquid Interfaces in Chemistry and Biology** *Author:* *Publish.:* Wiley - Interscience *- place:* *- date:* 1998 *Subject:* Interfacial Engineering and Surface Science - Biopolymers and Medi *Desc:* 562 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471148725 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $111.50
	Color Theory, Testing and Analysis Printing Technology		1202 **Lithographers Manual, 9th Ed.** *Author:* Thomas M. Destree, ed. *Publish.:* GATF *- place:* *- date:* 1994 *Subject:* Printing Technology - Color Theory, Testing, and Analysis *Desc:* 420 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 88362169 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $58.50
	Interfacial Engineering and Surface Science Materials Science Polymer Surface Modification		1339 **Low Temperature Plasma Physics: Fundamental Aspects and Applications** *Author:* *Publish.:* Wiley - VCH *- place:* *- date:* 2001 *Subject:* Materials Science - Interfacial Engineering and Surface Science - Pol *Desc:* 530 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527288872 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $193.50
	Polymer Surface Chemistry Polymer Surface Modification Wear, Weathering, and Tribology		1017 **Lubricating Polymer Surfaces** *Author:* Yoshito Ikada and Yoshikimi Uyama *Publish.:* Technomic *- place:* *- date:* 1993 *Subject:* Polymer Surface Chemistry - Polymer Surface Modification - Wear, ' *Desc:* 184 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 1566760135 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $61.50
	Colloids and Emulsions Interfacial Engineering and Surface Science		1475 **Magnetic Resonance in Colloid and Interface Science (NATO Science Series II, Vol. 76)** *Author:* Jacques P. Fraissard and Olga Lapina, eds. *Publish.:* Kluwer Academic *- place:* *- date:* 2002 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 676 p, 6.3 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1402007876 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $78.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Experimental Design and Analysis Polymer Characterization Polymer Science		1179 **Manual of Plastics Analysis** *Author:* T.R. Crompton *Publish.:* Plenum Press *- place:* *- date:* 1998 *Subject:* Experimental Design and Analysis - Polymer Characterization - Pol *Desc:* 524 p, 6.5 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 306459124 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $168.50
	Materials Science Polymer Characterization Polymer Science		1014 **Materials Science of Polymers for Engineers, 2nd Ed.** *Author:* Tim A. Osswald and Georg Menges *Publish.:* Hanser Gardner *- place:* *- date:* 2003 *Subject:* Materials Science - Polymer Characterization - Polymer Science *Desc:* 640 p, 6.3 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903484 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $73.50
	Plastics Processing Technology Polymer Characterization Polymer Science		1270 **Mechanical Properties and Testing of Polymers: An A - Z Reference** *Author:* G.M. Swallowe. ed. *Publish.:* Kluwer Academic *- place:* *- date:* 1999 *Subject:* Polymer Characterization - Plastics Processing Technology - Polym *Desc:* 314 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 412801701 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $141.50
	Coating processes Converting Technology Extrusion		1046 **Mechanics of Rollers** *Author:* David R. Roisum *Publish.:* TAPPI Press *- place:* *- date:* 1996 *Subject:* Converting Technology - Coating Processes - Extrusion - Plastic Fi *Desc:* 317 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 898523133 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $71.50
	Coating processes Converting Technology Extrusion		1111 **Mechanics of Web Handling** *Author:* David R. Roisum *Publish.:* TAPPI Press *- place:* *- date:* 1998 *Subject:* Converting Technology - Coating Processes - Extrusion - Packagin *Desc:* 233 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 89852346 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $83.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Composites, Laminates, and Fibers Converting Technology Extrusion		1047 **Mechanics of Winding** *Author:* David R. Roisum *Publish.:* TAPPI Press *- place:* *- date:* 1994 *Subject:* Converting Technology - Composites, Laminates, and Fibers - Extr *Desc:* 247 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 898522811 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $75.00
	Biopolymers and Medical Applications Converting Technology Packaging Technology		1144 **Medical Device Packaging Handbook** *Author:* Max Sherman, ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Packaging Technology - Biopolymers and Medical Applications - C *Desc:* 410 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824701992 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $153.50
	Biopolymers and Medical Applications QA/QC, Statistics, and Testing		1334 **Medical Device Reliability and Associated Areas** *Author:* B.S. Dhillion *Publish.:* CRC Press *- place:* *- date:* 2000 *Subject:* Biopolymers and Medical Applications - QA/QC, Statistics, and Test *Desc:* 256 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 849303125 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $108.50
	Biopolymers and Medical Applications Packaging Technology Plastics Processing Technology		1104 **Medical Plastics: Degradation Resistance & Failure Analysis** *Author:* Robert C. Portnoy, ed. *Publish.:* Plastics Design Library *- place:* *- date:* 1998 *Subject:* Biopolymers and Medical Applications - Packaging Technology - Pla *Desc:* 220 p, 7 x 8.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 188420760 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $118.50
	Pigments, Dyes, and Colorants Recommend this Site		1355 **Metallic Pigments in Polymers** *Author:* Ian Wheeler *Publish.:* Rapra *- place:* *- date:* 1999 *Subject:* Pigments, Dyes, and Colorants - Recommend this Site *Desc:* 248 p, 7.2 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 1859571662 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $141.50

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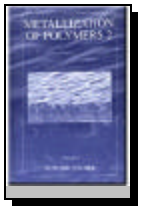
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Coating processes Polymer Surface Modification Surface Characterization and Analysis		1426 **Metallization of Polymers 2** *Author:* Edward Sacher. ed. *Publish.:* Plenum Press *- place:* *- date:* 2002 *Subject:* Polymer Surface Modification - Coating Processes - Surface Charact *Desc:* 216 p, 6.5 x 9.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 306472538 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $146.50
	Adhesives and Adhesion Coating processes Polymer Surface Modification		1392 **Metallized Plastics 5 & 6: Fundamental and Applied Aspects** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 1998 *Subject:* Polymer Surface Modification - Adhesives and Adhesion - Coating P *Desc:* 448 p, 6.6 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067642908 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $108.50
	Adhesives and Adhesion Coating processes Polymer Surface Modification		1384 **Metallized Plastics 7: Fundamental and Applied Aspects** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 2001 *Subject:* Polymer Surface Modification - Adhesives and Adhesion - Coating P *Desc:* 316 p, 6.2 x 9.4 Paperback	*Dynix:* *Call No:* *ISBN:* 9067643408 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $105.00
	Adhesives and Adhesion Coating processes Polymer Surface Modification		1138 **Metallized Plastics: Fundamentals and Applications** *Author:* K.L. Mittal. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Polymer Surface Modification - Adhesives and Adhesion - Coating P *Desc:* 392 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824799259 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $158.50
	Extrusion Plastic films Plastics Processing Technology		1204 **Metallocene Technology in Commercial Applications** *Author:* George M. Benedikt. ed. *Publish.:* Plastics Design Library *- place:* *- date:* 1999 *Subject:* Plastics Processing Technology - Extrusion - Plastic Films *Desc:* 321 p, 7 x 8.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207766 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $118.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Plastic films Plastics Processing Technology Polymer Science		1368 **Metallocene-Based Polyolefins: Preparation, Properties and Technology** *Author:* John Scheirs and Walter Kaminsky, eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 2000 *Subject:* Polymer Science - Plastic Films - Plastics Processing Technology *Desc:* 1150 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471980862 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $558.50
	Extrusion Plastic films Plastics Processing Technology		1103 **Metallocene-Catalyzed Polymers: Materials, Properties, Processing & Markets** *Author:* George M. Benedikt and Brian L. Goodall, eds. *Publish.:* Plastics Design Library *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Extrusion - Plastic Films - Polym *Desc:* 396 p, 7 x 8.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207596 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $118.50
	Polymer Characterization Polymer Science		1296 **Microhardness of Polymers** *Author:* F.J. Balta Calleja and S. Fakirov *Publish.:* Cambridge University Press *- place:* *- date:* 2000 *Subject:* Polymer Science - Polymer Characterization *Desc:* 262 p, 6.8 x 9.6 Hardcover	*Dynix:* *Call No:* *ISBN:* 521642183 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $78.50
	Composites, Laminates, and Fibers Polymer Characterization Textiles and Nonwovens		1225 **Microstructural Characterisation of Fibre-Reinforced Composites** *Author:* John Summerscales, ed. *Publish.:* CRC Press *- place:* *- date:* 1998 *Subject:* Composites, Laminates, and Fibers - Polymer Characterization - Te *Desc:* 334 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 849338824 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $178.50
	Coating processes Colloids and Emulsions Polymer Surface Chemistry		1003 **Modern Approaches to Wettability: Theory and Applications** *Author:* Malcolm E. Schrader and George I. Loeb, eds. *Publish.:* Plenum Press *- place:* *- date:* 1992 *Subject:* Polymer Surface Chemistry - Coating Processes - Colloids and Emu *Desc:* 474 p, 6.5 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 306439859 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1992 *Price:* $165.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Colloids and Emulsions Paints and Protective Coatings Solubility and Surfactants		1220 **Modern Aspects of Emulsion Science** *Author:* Bernard P. Binks. ed. *Publish.:* Royal Society of Chemistry *- place:* *- date:* 1998 *Subject:* Colloids and Emulsions - Paints and Protective Coatings - Solubility *Desc:* 442 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 854044396 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $173.50
	Colloids and Emulsions QA/QC, Statistics, and Testing Solubility and Surfactants		1227 **Modern Characterization Methods of Surfactant Systems** *Author:* Bernard P. Binks. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Solubility and Surfactants - Colloids and Emulsions - QA/QC, Statisti *Desc:* 610 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824719786 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $183.50
	Coating processes Converting Technology Inks and Coatings		1069 **Modern Coating & Drying Technology** *Author:* Edward D. Cohen and Edgar B. Gutoff. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 1992 *Subject:* Coating Processes - Converting Technology - Inks and Coatings - P *Desc:* 330 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471188069 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1992 *Price:* $138.50
	Polymer Science Recommend this Site		1540 **Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters** *Author:* John Scheirs and Timothy E. Long. eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 2003 *Subject:* Polymer Science - Recommend this Site *Desc:* 784 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471498564 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $205.00
	Polymer Science Recommend this Site		1528 **Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers** *Author:* John Scheirs and Duane B. Priddy. eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 2003 *Subject:* Polymer Science - Recommend this Site *Desc:* 792 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471497525 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $285.00

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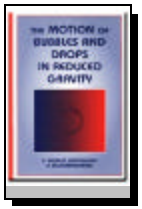
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Biopolymers and Medical Applications Polymer Characterization Polymer Science		1240 **Modern Techniques for Polymer Characterisation** *Author:* R.A. Pethrick and J.V. Dawkins, eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 1999 *Subject:* Polymer Characterization - Biopolymers and Medical Applications - I *Desc:* 410 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471960977 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $306.50
	Adhesives and Adhesion Recommend this Site		1360 **Molecular Adhesion and Its Applications: The Sticky Universe** *Author:* Kevin Kendall *Publish.:* Plenum Press *- place:* *- date:* 2001 *Subject:* Adhesives and Adhesion - Recommend this Site *Desc:* 448 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 306465205 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $98.50
	Interfacial Engineering and Surface Science Recommend this Site		1492 **Molecular Organisation on Interfaces (Progress in Colloid and Polymer Science, Vol. 121)** *Author:* G. Lagaly, ed. *Publish.:* Springer *- place:* *- date:* 2002 *Subject:* Interfacial Engineering and Surface Science - Recommend this Site *Desc:* 120 p, 8.3 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540436375 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $61.50
	Materials Science Recommend this Site		1473 **Motion of Bubbles and Drops in Reduced Gravity** *Author:* R. Shankar Subramanian and R. Balasubramaniam *Publish.:* Cambridge University Press *- place:* *- date:* 2001 *Subject:* Materials Science - Recommend this Site *Desc:* 488 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 521496055 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $85.00
	Plastics Processing Technology Surface Characterization and Analysis		1458 **Mould Sticking, Fouling and Cleaning (Rapra Review Report 150)** *Author:* David E. Packham *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Plastics Processing Technology - Surface Characterization and Ana *Desc:* 116 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573576 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $123.50

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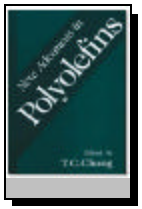
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Materials Science Recommend this Site		1482 **Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials** *Author:* Gero Decher and Joseph B. Schlenoff. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 2003 *Subject:* Materials Science - Recommend this Site *Desc:* 544 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527304401 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $193.50
	Biopolymers and Medical Applications Surface Characterization and Analysis		1449 **Nano-Surface Chemistry** *Author:* Morton Rosoff. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Surface Characterization and Analysis - Biopolymers and Medical A *Desc:* 692 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824702549 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $168.50
	Coating processes Materials Science Surface Characterization and Analysis		1476 **Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)** *Author:* *Publish.:* Kluwer Academic *- place:* *- date:* 2000 *Subject:* Surface Characterization and Analysis - Coating Processes - Materia *Desc:* 392 p, 6.2 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 792362667 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $63.50
	Composites, Laminates, and Fibers Materials Science Polymer Science		1059 **New Advances in Polyolefins** *Author:* T.C. Chung. ed. *Publish.:* Plenum Press *- place:* *- date:* 1993 *Subject:* Polymer Science - Composites. Laminates. and Fibers - Materials S *Desc:* 256 p, 6.5 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 306445883 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $108.50
	Composites, Laminates, and Fibers Inks and Coatings Textiles and Nonwovens		1217 **New Materials Permeable to Water Vapor** *Author:* Harro Traubel *Publish.:* Springer *- place:* *- date:* 1999 *Subject:* Textiles and Nonwovens - Composites. Laminates. and Fibers - Ink *Desc:* 367 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540649468 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $108.50

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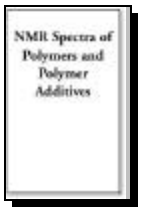
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	General Reference Recommend this Site		1529 **New Product Development: From Initial Idea to Product Management** *Author:* Marc A. Annacchino *Publish.:* Elsevier *- place:* *- date:* 2003 *Subject:* General Reference - Recommend this Site *Desc:* 600 p, 7 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 750677325 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $71.50
	Health, Safety, and the Environment Solubility and Surfactants		1127 **New Products and Applications in Surfactant Technology** *Author:* David R. Karsa. ed. *Publish.:* Sheffield Academic *- place:* *- date:* 1998 *Subject:* Solubility and Surfactants - Health. Safety. and the Environment *Desc:* 245 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 849397383 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $98.50
	Additives Polymer Characterization Polymer Science		1302 **NMR Spectra of Polymers and Polymer Additives** *Author:* Anita J. Brandolini and Deborah D. Hills *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Polymer Characterization - Additives - Polymer Science *Desc:* 640 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 824789709 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $165.00
	Polymer Characterization Recommend this Site		1443 **NMR Spectroscopy of Polymers in Solution and in the Solid State (ACS Symposium Series 83** *Author:* H.N. Cheng and Alan D. English. eds. *Publish.:* American Chemical Society *- place:* *- date:* 2003 *Subject:* Polymer Characterization - Recommend this Site *Desc:* 460 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841238081 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $118.50
	Polymer Science Recommend this Site		1422 **Non-Conventional Polymer Dispersions: 5th Bratislava International Conference on Polymers** *Author:* Ignac Capek. ed. *Publish.:* Wiley - VCH *- place:* *- date:* 2002 *Subject:* Polymer Science - Recommend this Site *Desc:* 374 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 352730469 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $185.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Recommend this Site Surface Characterization and Analysis		1494 **Noncontact Atomic Force Microscopy** *Author:* S. Morita. R. Wiesendanger. and E. Meyer. eds. *Publish.:* Springer *- place:* *- date:* 2002 *Subject:* Surface Characterization and Analysis - Recommend this Site *Desc:* 460 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540431179 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $93.50
	Colloids and Emulsions Polymer Surface Chemistry Solubility and Surfactants		1090 **Nonionic Surfactants: Organic Chemistry** *Author:* Nico M. van Os. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Solubility and Surfactants - Colloids and Emulsions - Polymer Surfac *Desc:* 305 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824799976 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $138.50
	Interfacial Engineering and Surface Science Recommend this Site		1468 **Novel Methods to Study Interfacial Layers** *Author:* D. Mobius and R. Miller. eds. *Publish.:* Elsevier *- place:* *- date:* 2001 *Subject:* Interfacial Engineering and Surface Science - Recommend this Site *Desc:* 536 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 444509488 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $176.50
	Health, Safety, and the Environment Solubility and Surfactants		1119 **Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.** *Author:* Krister Holmberg. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Health. Safety. and the Environment *Desc:* 648 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824743008 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $168.50
	Polymer Characterization Polymer Science		1331 **Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)** *Author:* *Publish.:* American Chemical Society *- place:* *- date:* 2000 *Subject:* Polymer Science - Polymer Characterization *Desc:* 216 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841236143 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $95.00

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	Biopolymers and Medical Applications Health, Safety, and the Environment Solubility and Surfactants		1450 **Organic Ion Radicals: Chemistry and Applications** *Author:* Zory V. Todres *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Biopolymers and Medical Applications - H *Desc:* 456 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824708105 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $161.50
	Raw Materials		1577 **Organic Pigments, 3rd Ed.** *Author:* *Publish.:* FSCT *- place:* *- date:* 2000 *Subject:* Raw Materials *Desc:* 44 pages, soft cover	*Dynix:* *Call No:* *ISBN:* 0934010358 *LCCN:* *Shelf*	*Edition:* 3rd Edition *Series:* *Year:* 2000 *Price:* $30.00
	Interfacial Engineering and Surface Science Materials Science Surface Characterization and Analysis		1316 **Oxide Surfaces** *Author:* James A. Wingrave, ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* Interfacial Engineering and Surface Science - Materials Science - Sur *Desc:* 536 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824700007 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $158.50
	General Reference Packaging Conformance and Specifications Packaging: General Reference		1165 **Packaging Designer's Book of Patterns, 2nd Ed.** *Author:* Laszlo Roth and George L. Wybenga *Publish.:* John Wiley & Sons *- place:* *- date:* 2000 *Subject:* Packaging Conformance and Specifications - General Reference - P *Desc:* 608 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 471385042 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $56.50

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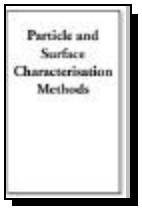
	Packaging Conformance and Specifications Packaging: General Reference QA/QC, Statistics, and Testing		1097 **Packaging: Specifications, Purchasing, and Quality Control, 4th Ed.** *Author:* Edmund A. Leonard *Publish.:* Marcel Dekker *- place:* *- date:* 1996 *Subject:* Packaging Conformance and Specifications - Packaging: General Re *Desc:* 304 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 824797558 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $98.50
	Reference		1578 **Painting and Decorating Craftsman's Manual** *Author:* 0915050005 *Publish.:* PDCA *- place:* *- date:* 1995 *Subject:* Reference *Desc:* 362 pages, hardbound.	*Dvnix:* *Call No:* *ISBN:* 0915050005 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $154.00
	Additives Inks and Coatings Paper and Paperboard		1049 **Paper Coating Additives** *Author:* *Publish.:* TAPPI Press *- place:* *- date:* 1995 *Subject:* Additives - Inks and Coatings - Paper and Paperboard *Desc:* 150 p, 7 x 10 Hardcover	*Dvnix:* *Call No:* *ISBN:* 898520614 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $68.50
	QA/QC, Statistics, and Testing Surface Characterization and Analysis		1141 **Particle and Surface Characterisation Methods** *Author:* R.H. Muller and W. Mehnert, eds. *Publish.:* CRC Press *- place:* *- date:* 1998 *Subject:* Surface Characterization and Analysis - QA/QC, Statistics, and Test *Desc:* 280 p, Hardcover	*Dvnix:* *Call No:* *ISBN:* 3887630572 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $58.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Materials Science		1391 **Particles on Surfaces 5 & 6: Detection, Adhesion and Removal** *Author:* K.L. Mittal, ed. *Publish.:* VSP *- place:* *- date:* 1999 *Subject:* Interfacial Engineering and Surface Science - Adhesives and Adhesi *Desc:* 362 p, 6.6 x 9.8 Hardcover	*Dvnix:* *Call No:* *ISBN:* 9067643122 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $125.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion Interfacial Engineering and Surface Science Materials Science		1464 **Particles on Surfaces 7: Detection, Adhesion and Removal** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 2002 *Subject:* Interfacial Engineering and Surface Science - Adhesives and Adhesi *Desc:* 462 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643726 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $216.50
	Additives Recommend this Site		1407 **Particulate Fillers for Polymers (Rapra Review Report 141)** *Author:* R.N. Rothon *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Additives - Recommend this Site *Desc:* 160 p, 8.2 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 185957310 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $123.50
	Patents and Intellectual Property Recommend this Site		1234 **Patent and Trademark Tactics and Practice, 3rd Ed.** *Author:* David A. Burge *Publish.:* John Wiley & Sons *- place:* *- date:* 1999 *Subject:* Patents and Intellectual Property - Recommend this Site *Desc:* 298 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471329320 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $61.50
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	Patents and Intellectual Property Recommend this Site		1185 **Patent Searching Made Easy: Patent Searches on the Internet and in the Library, 2nd Ed.** *Author:* D. Hitchcock *Publish.:* Nolo Press *- place:* *- date:* 2000 *Subject:* Patents and Intellectual Property - Recommend this Site *Desc:* 192 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 873375548 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $15.00

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	General Reference Patents and Intellectual Property		1187 **Patent, Copyright and Trademark, 5th Ed.** *Author:* Stephen R. Elias *Publish.:* Nolo Press *- place:* *- date:* 2002 *Subject:* Patents and Intellectual Property - General Reference *Desc:* 512 p, 7 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 873378482 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $18.50
	Composites, Laminates, and Fibers Plastics Processing Technology Polymer Science		1297 **Performance of Plastics** *Author:* Witold Brostow, ed. *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Plastics Processing Technology - Composites, Laminates, and Fibe *Desc:* 710 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902771 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $158.50
	Materials Science Packaging Technology Polymer Characterization		1027 **Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrie** *Author:* Liesl K. Massey *Publish.:* Plastics Design Library *- place:* *- date:* 2003 *Subject:* Polymer Characterization - Materials Science - Packaging Technolo *Desc:* 616 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207979 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $205.00
	Interfacial Engineering and Surface Science Materials Science Polymer Surface Chemistry		1469 **Permeation through Polymers for Process Industry Applications** *Author:* Robert P. Campion *Publish.:* Materials Technology Institute *- place:* *- date:* 2000 *Subject:* Polymer Surface Chemistry - Interfacial Engineering and Surface Sci *Desc:* 160 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 444500529 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $83.50

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	Curing and Photopolymerization Processes Inks and Coatings Polymer Characterization		1356 **Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)** *Author:* J.P. Fouassier *Publish.:* Rapra *- place:* *- date:* 1997 *Subject:* Curing and Photopolymerization Processes - Inks and Coatings - Po *Desc:* 156 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859571301 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $105.00
	Curing and Photopolymerization Processes Polymer Science		1513 **Photoinitiated Polymerization (ACS Symposium Series 847)** *Author:* Kevin D. Belfield and James V. Crivello, eds. *Publish.:* American Chemical Society *- place:* *- date:* 2003 *Subject:* Curing and Photopolymerization Processes - Polymer Science *Desc:* 580 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841238138 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $133.50
	Coating processes Curing and Photopolymerization Processes Polymer Science		1285 **Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications** *Author:* Jean-Pierre Fouassier *Publish.:* Hanser Gardner *- place:* *- date:* 1995 *Subject:* Curing and Photopolymerization Processes - Coating Processes - P *Desc:* 388 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569901465 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $138.50
	Biopolymers and Medical Applications Colloids and Emulsions Interfacial Engineering and Surface Science		1263 **Physical Chemistry of Biological Interfaces** *Author:* Adam Baszkin and Willem Norde, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Biopolymers and Medical Applications - Colloids and Emulsions - Int *Desc:* 846 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824775813 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $213.50

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	Colloids and Emulsions Recommend this Site		1453 **Physical Properties of Lipids** *Author:* Aleiandro Marangoni and Suresh Narine. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Colloids and Emulsions - Recommend this Site *Desc:* 600 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824700058 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $161.50
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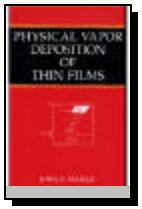	Coating processes Materials Science		1417 **Physical Vapor Deposition of Thin Films** *Author:* John E. Mahan *Publish.:* Wiley - Interscience *- place:* *- date:* 2000 *Subject:* Coating Processes - Materials Science *Desc:* 326 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471330019 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $91.50

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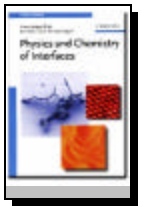	Interfacial Engineering and Surface Science Surface Characterization and Analysis		1537 **Physics and Chemistry of Interfaces** *Author:* Hans-Jurgen Butt, Karlheinz Graf, and Michael Kappl *Publish.:* Wiley - VCH *- place:* *- date:* 2003 *Subject:* Interfacial Engineering and Surface Science - Surface Characterizatio *Desc:* 372 p, 6.5 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 3527404139 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $48.50
	Coating processes Color Theory, Testing and Analysis Pigments, Dyes, and Colorants		1078 **Pigments for Paper** *Author:* Robert W. Hagemeyer, ed. *Publish.:* TAPPI Press *- place:* *- date:* 1997 *Subject:* Pigments, Dyes, and Colorants - Coating Processes - Color Theory *Desc:* 271 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 898520649 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $116.50
	General Reference Paper and Paperboard QA/QC, Statistics, and Testing		1233 **Plantwide Process Control** *Author:* Kelvin T. Erickson and John L. Hedrick *Publish.:* Wiley - Interscience *- place:* *- date:* 1999 *Subject:* General Reference - Paper and Paperboard - QA/QC, Statistics, and *Desc:* 560 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 471178357 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $98.50
	Biopolymers and Medical Applications Interfacial Engineering and Surface Science Polymer Surface Modification		1177 **Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)** *Author:* *Publish.:* Kluwer Academic *- place:* *- date:* 1997 *Subject:* Polymer Surface Modification - Biopolymers and Medical Application *Desc:* 542 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 792348591 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $343.50
	Polymer Surface Chemistry Polymer Surface Modification		1019 **Plasma Surface Modification and Plasma Polymerization** *Author:* N. Inagaki *Publish.:* Technomic *- place:* *- date:* 1996 *Subject:* Polymer Surface Modification - Polymer Surface Chemistry *Desc:* 276 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566763371 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $103.50

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	Adhesives and Adhesion Plastic films Polymer Surface Modification		1397 **Plasma Surface Modification of Polymers: Relevance to Adhesion** *Author:* M. Strobel. C.S. Lyons. and K.L. Mittal. eds. *Publish.:* VSP *- place:* *- date:* 1994 *Subject:* Polymer Surface Modification - Adhesives and Adhesion - Plastic Fi *Desc:* 300 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067641642 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $95.00
	Converting Technology Extrusion Packaging Technology		1441 **Plastic Film and Foil Web Handling Guide** *Author:* William E. Hawkins *Publish.:* CRC Press *- place:* *- date:* 2003 *Subject:* Converting Technology - Extrusion - Packaging Technology - Plasti *Desc:* 192 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1587161524 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $88.50
	Converting Technology Extrusion Plastic films		1000 **Plastic Films: Technology and Packaging Applications** *Author:* Kenton R. Osborne and Wilmer A. Jenkins *Publish.:* Technomic *- place:* *- date:* 1992 *Subject:* Plastic Films - Converting Technology - Extrusion - Packaging Tech *Desc:* 258 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 877628432 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1992 *Price:* $71.50
	Packaging Conformance and Specifications Packaging Technology Polymer Science		1283 **Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, a** *Author:* O.-G. Piringer and A.L. Baner. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 2000 *Subject:* Packaging Technology - Packaging Conformance and Specifications *Desc:* 610 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527288686 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $246.50
	Additives Health, Safety, and the Environment Polymer Science		1056 **Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)** *Author:* A.S. Wilson *Publish.:* Rapra *- place:* *- date:* 1995 *Subject:* Additives - Health. Safety. and the Environment - Polymer Science *Desc:* 108 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859570614 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $121.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Additives Polymer Science		1016 **Plastics Additives Handbook, 5th Ed.** *Author:* Hans Zweifel. ed. *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Additives - Polymer Science *Desc:* 1184 p, 5.7 x 8.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 156990295 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $115.00
	Additives Recommend this Site		1327 **Plastics Additives, 3rd Ed. [Vol 2: An Industry Guide]** *Author:* Ernest W. Flick *Publish.:* Noves Publications *- place:* *- date:* 2001 *Subject:* Additives - Recommend this Site *Desc:* 270 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514727 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $71.50
	Additives Recommend this Site		1328 **Plastics Additives, 3rd Ed. [Vol 3: An Industry Guide]** *Author:* Ernest W. Flick *Publish.:* Noves Publications *- place:* *- date:* 2001 *Subject:* Additives - Recommend this Site *Desc:* 160 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514700 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $68.50
	Additives Health, Safety, and the Environment Polymer Science		1176 **Plastics Additives: An A - Z Reference** *Author:* Geoffrey Pritchard. ed. *Publish.:* Chapman & Hall *- place:* *- date:* 1998 *Subject:* Additives - Health. Safety. and the Environment - Polymer Science *Desc:* 656 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 41272720 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $213.50
	Coating processes Composites, Laminates, and Fibers Extrusion		1077 **Plastics Extrusion Technology, 2nd Ed.** *Author:* Friedhelm Hensen *Publish.:* Hanser Gardner *- place:* *- date:* 1997 *Subject:* Extrusion - Coating Processes - Composites. Laminates. and Fibers *Desc:* 674 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902259 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $185.00

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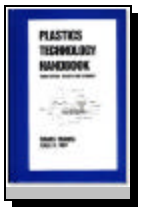
	Plastics Processing Technology QA/QC, Statistics, and Testing Wear, Weathering, and Tribology		1325 **Plastics Failure Analysis and Prevention** *Author:* John Moalli, ed. *Publish.:* Plastics Design Library *- place:* *- date:* 2001 *Subject:* Wear, Weathering, and Tribology - Plastics Processing Technology *Desc:* 400 p, 7 x 8.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207928 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $118.50
	Converting Technology Extrusion Packaging Technology		1284 **Plastics Packaging: Properties, Processing, Applications, and Regulations** *Author:* *Publish.:* Hanser Gardner *- place:* *- date:* 2000 *Subject:* Packaging Technology - Converting Technology - Extrusion - Packa *Desc:* 442 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903034 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $63.50
	Plastics Processing Technology Polymer Science Wear, Weathering, and Tribology		1134 **Plastics Technology Handbook, 3rd Ed.** *Author:* Manas Chanda and Salil K. Roy *Publish.:* Marcel Dekker *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Polymer Science - Wear, Weather *Desc:* 1208 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 82470066 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $235.00
	Interfacial Engineering and Surface Science Polymer Characterization Polymer Science		1385 **Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applicati** *Author:* K.L. Mittal, ed. *Publish.:* VSP *- place:* *- date:* 2001 *Subject:* Polymer Science - Interfacial Engineering and Surface Science - Po *Desc:* 330 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643394 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $108.50
	Polymer Science Polymer Surface Modification		1508 **Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applicati** *Author:* K.L. Mittal, ed. *Publish.:* VSP *- place:* *- date:* 2003 *Subject:* Polymer Science - Polymer Surface Modification *Desc:* 540 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643785 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $238.50

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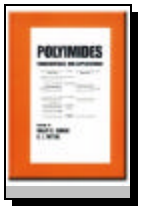
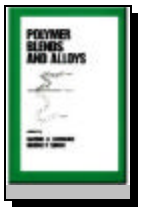
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Plastics Processing Technology Polymer Characterization Polymer Science		1126 **Polyimides: Fundamentals & Applications** *Author:* Malav K. Ghosh and K.L. Mittal. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1996 *Subject:* Polymer Science - Plastics Processing Technology - Polymer Char *Desc:* 912 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824794664 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $228.50
	Polymer Characterization Recommend this Site		1439 **Polymer Analysis** *Author:* Barbara Stuart *Publish.:* John Wiley & Sons *- place:* *- date:* 2002 *Subject:* Polymer Characterization - Recommend this Site *Desc:* 302 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 47181363 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $48.50
	Polymer Science Recommend this Site		1262 **Polymer Blends and Alloys** *Author:* Gabriel O. Shonaike and George P. Simon. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Polymer Science - Recommend this Site *Desc:* 760 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824719808 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $213.50
	Polymer Science Recommend this Site		1532 **Polymer Blends Handbook (2 Volume Set)** *Author:* Leszek A. Utracki. ed. *Publish.:* Kluwer Academic *- place:* *- date:* 2003 *Subject:* Polymer Science - Recommend this Site *Desc:* 1488 p, 7.6 x 10.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 1402011148 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $498.50
	Polymer Characterization Recommend this Site		1498 **Polymer Characterization Techniques and Their Application to Blends** *Author:* George P. Simon. ed. *Publish.:* American Chemical Society *- place:* *- date:* 2003 *Subject:* Polymer Characterization - Recommend this Site *Desc:* 530 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 841238189 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $198.50

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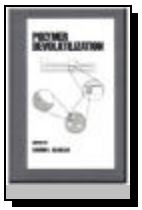
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Experimental Design and Analysis Polymer Characterization Polymer Science		1206 **Polymer Characterization: Laboratory Techniques and Analysis** *Author:* Nicholas P. Cheremisinoff *Publish.:* Noves Publications *- place:* *- date:* 1996 *Subject:* Polymer Characterization - Experimental Design and Analysis - Pol *Desc:* 264 p, 6.2 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514034 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $68.50
	General Reference Materials Science Polymer Science		1210 **Polymer Data Handbook** *Author:* James E. Mark *Publish.:* Oxford University Press *- place:* *- date:* 1999 *Subject:* Polymer Science - General Reference - Materials Science - Polyme *Desc:* 1040 p, 7.5 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 195107896 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $143.50
	Extrusion Plastics Processing Technology Polymer Science		1054 **Polymer Devolatilization** *Author:* Ramon J. Albalak *Publish.:* Marcel Dekker *- place:* *- date:* 1996 *Subject:* Polymer Science - Extrusion - Plastics Processing Technology *Desc:* 736 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824796276 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $218.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Paints and Protective Coatings		1423 **Polymer Dispersions and Their Industrial Applications** *Author:* Dieter Urban and Koichi Takamura, eds. *Publish.:* Wiley - VCH *- place:* *- date:* 2002 *Subject:* Interfacial Engineering and Surface Science - Adhesives and Adhesi *Desc:* 426 p, 6.7 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527302867 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $171.50
	Coating processes Textiles and Nonwovens		1545 **Polymer Enhancement of Technical Textiles (Rapra Review Report 165)** *Author:* Roy W. Bucklev *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Textiles and Nonwovens - Coating Processes *Desc:* 134 p, 8.2 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573959 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $128.50

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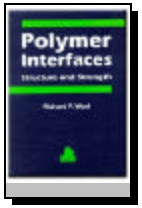
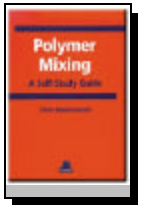
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Extrusion Plastic films Plastics Processing Technology		999 **Polymer Extrusion, 4th Ed.** *Author:* Chris Rauwendaal *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Extrusion - Plastic Films - Plastics Processing Technology *Desc:* 792 p, 6.5 x 9.5 Hardcover	*Dvnix:* *Call No:* *ISBN:* 1569903212 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $93.50
	Adhesives and Adhesion Colloids and Emulsions Polymer Surface Chemistry		1230 **Polymer Interfaces and Emulsions** *Author:* Kunio Esumi. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Polymer Surface Chemistry - Adhesives and Adhesion - Colloids ar *Desc:* 582 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 824719751 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $165.00
	Adhesives and Adhesion Biopolymers and Medical Applications Colloids and Emulsions		1013 **Polymer Interfaces: Structure and Strength** *Author:* Richard P. Wool *Publish.:* Hanser Gardner *- place:* *- date:* 1995 *Subject:* Adhesives and Adhesion - Biopolymers and Medical Applications - (*Desc:* 494 p, 6.2 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 1569901333 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $118.50
	Extrusion Plastics Processing Technology Polymer Science		1106 **Polymer Mixing: A Self-Study Guide** *Author:* Chris Rauwendaal *Publish.:* Hanser Gardner *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Extrusion - Polymer Science *Desc:* 265 p, 6.5 x 9.5 Hardcover	*Dvnix:* *Call No:* *ISBN:* 1569902232 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $63.50
	Plastics Processing Technology Polymer Science Polymer Surface Modification		1076 **Polymer Modification** *Author:* *Publish.:* Plenum Press *- place:* *- date:* 1997 *Subject:* Polymer Science - Plastics Processing Technology - Polymer Surfa *Desc:* 221 p, 6.5 x 9.8 Hardcover	*Dvnix:* *Call No:* *ISBN:* 306457148 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $158.50

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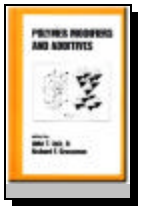
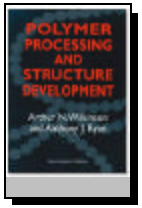
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Polymer Science Recommend this Site		1305 **Polymer Modification: Principles, Techniques, and Applications** *Author:* John J. Meister. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2000 *Subject:* Polymer Science - Recommend this Site *Desc:* 924 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824700783 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $198.50
	Additives Polymer Science		1306 **Polymer Modifiers and Additives** *Author:* John T. Lutz. Jr. and Richard F. Grossman. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* Additives - Polymer Science *Desc:* 528 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824799496 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $138.50
	Materials Science Polymer Science		1425 **Polymer Nanocomposites: Synthesis, Characterization, and Modeling (ACS Symposium Serie** *Author:* Ramanan Krishnamoorti and Richard A. Vaia. eds. *Publish.:* American Chemical Society *- place:* *- date:* 2001 *Subject:* Polymer Science - Materials Science *Desc:* 252 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841237689 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $103.50
	Extrusion Plastics Processing Technology Polymer Characterization		1212 **Polymer Processing and Structure Development** *Author:* Arthur N. Wilkinson and Anthony J. Ryan. eds. *Publish.:* Kluwer Academic *- place:* *- date:* 1999 *Subject:* Plastics Processing Technology - Extrusion - Polymer Characterizat *Desc:* 592 p, 6.2 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 792357728 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $62.50
	Plastics Processing Technology Polymer Science		1125 **Polymer Processing: Principles and Design** *Author:* Donald G. Baird and Dimitris I. Collias *Publish.:* Wiley - Interscience *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Polymer Science *Desc:* 354 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 471254533 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $98.50

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	Biopolymers and Medical Applications Interfacial Engineering and Surface Science Polymer Surface Chemistry		1311 **Polymer Sorption Phenomena (Macromolecular Symposia 145)** *Author:* *Publish.:* Wiley - VCH *- place:* *- date:* 1999 *Subject:* Polymer Surface Chemistry - Biopolymers and Medical Applications *Desc:* 190 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 352729905 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $83.50
	Polymer Characterization Recommend this Site		1480 **Polymer Spectroscopy: 14th European Symposium on Polymer Spectroscopy (ESOPS 14)** *Author:* K.-J. Eichhorn and D. Fischer. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 2002 *Subject:* Polymer Characterization - Recommend this Site *Desc:* 400 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527304746 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $185.00
	Polymer Surface Modification Surface Characterization and Analysis		1004 **Polymer Surface Modification and Characterization** *Author:* Chi-Ming Chan *Publish.:* Hanser Gardner *- place:* *- date:* 1994 *Subject:* Polymer Surface Modification - Surface Characterization and Analysi *Desc:* 295 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569901589 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $88.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Polymer Surface Modification		1395 **Polymer Surface Modification: Relevance to Adhesion** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 1996 *Subject:* Polymer Surface Modification - Adhesives and Adhesion - Interfacial *Desc:* 558 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067642010 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $138.50
	Adhesives and Adhesion Polymer Surface Chemistry Polymer Surface Modification		1387 **Polymer Surface Modification: Relevance to Adhesion, Vol. 2** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 2000 *Subject:* Polymer Surface Modification - Adhesives and Adhesion - Polymer *Desc:* 640 p, 6.6 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643270 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $176.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Polymer Surface Chemistry Polymer Surface Modification Surface Characterization and Analysis		1205 **Polymer Surfaces & Interfaces III** *Author:* R.W. Richards and S.K. Pearce. eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 1999 *Subject:* Surface Characterization and Analysis - Polymer Surface Chemistry *Desc:* 316 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471982865 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $198.50
	Biopolymers and Medical Applications Interfacial Engineering and Surface Science Surface Characterization and Analysis		1012 **Polymer Surfaces and Interfaces II** *Author:* W.J. Feast. H.S. Munro. and R.W. Richards. eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 1993 *Subject:* Surface Characterization and Analysis - Biopolymers and Medical A *Desc:* 314 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471934569 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $225.00
	Interfacial Engineering and Surface Science Polymer Surface Chemistry Polymer Surface Modification		1393 **Polymer Surfaces and Interfaces: Characterization, Modification and Application** *Author:* K.L. Mittal and K.-W. Lee. eds. *Publish.:* VSP *- place:* *- date:* 1997 *Subject:* Polymer Surface Chemistry - Interfacial Engineering and Surface Sci *Desc:* 434 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067642177 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $98.50
	Experimental Design and Analysis Health, Safety, and the Environment Polymer Characterization		1196 **Polymer Synthesis and Characterization: A Laboratory Manual** *Author:* *Publish.:* Academic Press *- place:* *- date:* 1998 *Subject:* Polymer Characterization - Experimental Design and Analysis - Hea *Desc:* 230 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 12618240 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $41.50
	Polymer Science Recommend this Site		1543 **Polymer Yearbook 18** *Author:* Richard A. Pethrick and Gennady E. Zaikov. eds. *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Polymer Science - Recommend this Site *Desc:* 426 p, 7.3 x 9.8 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573835 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $153.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Composites, Laminates, and Fibers Polymer Science		1290 **Polymer-Clay Nanocomposites** *Author:* Thomas J. Pinnavaia and G.W. Beall. eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 2000 *Subject:* Composites, Laminates, and Fibers - Polymer Science *Desc:* 368 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471637009 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $258.50
	Biopolymers and Medical Applications Polymer Science		1370 **Polymeric Biomaterials, 2nd Ed.** *Author:* Severian Dumitriu. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Biopolymers and Medical Applications - Polymer Science *Desc:* 1184 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 824705696 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $233.50
	Additives Polymer Science		1044 **Polymeric Compatibilizers: Uses and Benefits in Polymer Blends** *Author:* Sudhin Datta and David J. Lohse *Publish.:* Hanser Gardner *- place:* *- date:* 1996 *Subject:* Additives - Polymer Science *Desc:* 550 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569901945 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $138.50
	Colloids and Emulsions Composites, Laminates, and Fibers Materials Science		1169 **Polymeric Multicomponent Materials: An Introduction** *Author:* L.H. Sperling *Publish.:* Wiley - Interscience *- place:* *- date:* 1997 *Subject:* Materials Science - Colloids and Emulsions - Composites, Laminate *Desc:* 415 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471041386 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $93.50
	Materials Science Plastics Processing Technology		1101 **Polymeric Seals and Sealing Technology (Rapra Review Report 96)** *Author:* J.A. Hickman *Publish.:* Rapra *- place:* *- date:* 1995 *Subject:* Plastics Processing Technology - Materials Science *Desc:* 117 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859570968 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $123.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	General Reference Materials Science		1505 **Polymers in Building and Construction (Rapra Review Report 154)** *Author:* Sue Halliwell *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* General Reference - Materials Science *Desc:* 136 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573622 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $123.50
	Colloids and Emulsions Polymer Science		1352 **Polymers in Dispersed Media I (Macromolecular Symposia 150)** *Author:* *Publish.:* Wiley - VCH *- place:* *- date:* 2000 *Subject:* Polymer Science - Colloids and Emulsions *Desc:* 344 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527301291 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $155.00
	Polymer Science		1553 **Polymers in Dispersed Media II (Macromolecular Symposia 151)** *Author:* Jerome Claverie. Marie-Therese Charrevre. and Christian Pichot. e *Publish.:* Wiley - VCH *- place:* *- date:* 2000 *Subject:* Polymer Science *Desc:* 330 p., 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527301305 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $155.00
	Additives Converting Technology Plastics Processing Technology		1278 **Polyolefins 2000: The International Conference on Polyolefins** *Author:* *Publish.:* SPE *- place:* *- date:* 2001 *Subject:* Plastics Processing Technology - Additives - Converting Technolog *Desc:* 768 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $128.50
	Additives Plastics Processing Technology Polymer Science		1107 **Polypropylene Handbook** *Author:* Edward P. Moore. Jr.. ed. *Publish.:* Hanser Gardner *- place:* *- date:* 1996 *Subject:* Plastics Processing Technology - Additives - Polymer Science *Desc:* 439 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902089 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $185.00

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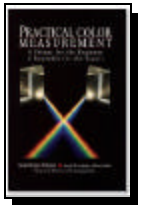
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Extrusion Materials Science Plastics Processing Technology		1098 **Polypropylene: The Definitive User's Guide** *Author:* Clive Maier and Teresa Calafut *Publish.:* Plastics Design Library *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Extrusion - Materials Science - Pl *Desc:* 452 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 1884207588 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $205.00
	Polymer Science Recommend this Site		1496 **Polyurethanes Book** *Author:* David Randall and Stephen Lee, eds. *Publish.:* John Wiley & Sons *- place:* *- date:* 2002 *Subject:* Polymer Science - Recommend this Site *Desc:* 498 p, 7.5 x 10.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 470850418 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $153.50
	Biopolymers and Medical Applications Plastics Processing Technology Polymer Characterization		1256 **Polyurethanes in Biomedical Applications** *Author:* *Publish.:* CRC Press *- place:* *- date:* 1998 *Subject:* Biopolymers and Medical Applications - Plastics Processing Techno *Desc:* 286 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849345170 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $141.50
	Color Theory, Testing and Analysis Paints and Protective Coatings QA/QC, Statistics, and Testing		1035 **Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert** *Author:* Annie Berger-Schunn *Publish.:* Wiley - Interscience *- place:* *- date:* 1994 *Subject:* Color Theory, Testing, and Analysis - Paints and Protective Coating *Desc:* 190 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471004170 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $88.50
	Coating processes Recommend this Site		1452 **Practical Design and Production of Optical Thin Films, 2nd Ed.** *Author:* Ronald R. Willey *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Coating Processes - Recommend this Site *Desc:* 560 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824708490 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $161.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Health, Safety, and the Environment Recommend this Site		1518 **Practical Guide to Chemical Safety Testing: Regulatory Consequences - Chemicals, Food Pac** *Author:* Derek J. Night and Mike B. Thomas. eds. *Publish.:* Rapra *- place:* *- date:* 2003 *Subject:* Health. Safety. and the Environment - Recommend this Site *Desc:* 468 p, 7.2 x 9.8 Paperback	*Dynix:* *Call No:* *ISBN:* 185957372 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $151.50
	Recommend this Site Surface Characterization and Analysis		1295 **Practical Guide to Surface Science and Spectroscopy** *Author:* Yip-Wah Chung *Publish.:* Academic Press *- place:* *- date:* 2001 *Subject:* Surface Characterization and Analysis - Recommend this Site *Desc:* 200 p, 6 x 9 Hardcover with CD-ROM	*Dynix:* *Call No:* *ISBN:* 121746100 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $63.50
	Polymer Characterization QA/QC, Statistics, and Testing		1289 **Practical Problem Solving in HPLC** *Author:* Stavros Kromidas *Publish.:* Wiley - VCH *- place:* *- date:* 2000 *Subject:* QA/QC. Statistics. and Testing - Polymer Characterization *Desc:* 194 p, 6.8 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 3527298428 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $45.00
	General Reference Health, Safety, and the Environment Patents and Intellectual Property		1062 **Premanufacture Notification: Chemistry Assistance for Submitters** *Author:* Stephen C. DeVito and Carol A. Farris *Publish.:* John Wiley & Sons *- place:* *- date:* 1997 *Subject:* Patents and Intellectual Property - General Reference - Health. Safet *Desc:* 144 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 471191515 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $35.00
	General Reference Recommend this Site		1218 **Preparing Scientific Illustrations: A Guide to Better Posters, Presentations, and Publications,** *Author:* Mary Helen Briscoe *Publish.:* Springer *- place:* *- date:* 1996 *Subject:* General Reference - Recommend this Site *Desc:* 216 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 387945814 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $35.00

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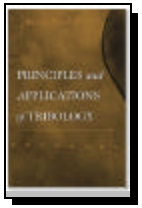
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion Coating processes		1042 **Pressure-Sensitive Adhesives Technology** *Author:* Istvan Benedek and Luc J. Hevmans *Publish.:* Marcel Dekker *- place:* *- date:* 1997 *Subject:* Adhesives and Adhesion - Coating Processes *Desc:* 610 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 824797655 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $181.50
	Adhesives and Adhesion Coating processes Converting Technology		1389 **Pressure-Sensitive Formulation** *Author:* Istvan Benedek *Publish.:* VSP *- place:* *- date:* 2000 *Subject:* Adhesives and Adhesion - Coating Processes - Converting Technol *Desc:* 536 p, 6.6 x 9.8 Hardcover	*Dvnix:* *Call No:* *ISBN:* 9067643300 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $143.50
	Polymer Characterization Polymer Surface Chemistry Surface Characterization and Analysis		1435 **Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural** *Author:* J. Wayne Rabalais *Publish.:* Wiley - Interscience *- place:* *- date:* 2003 *Subject:* Surface Characterization and Analysis - Polymer Characterization - I *Desc:* 322 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 471202770 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $85.00
	Recommend this Site Wear, Weathering, and Tribology		1237 **Principles and Applications of Tribology** *Author:* Bharat Bhushan *Publish.:* John Wiley & Sons *- place:* *- date:* 1999 *Subject:* Wear, Weathering, and Tribology - Recommend this Site *Desc:* 1040 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 471594075 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $178.50
	Coating processes Materials Science		1533 **Principles of Chemical Vapor Deposition: What's Going On Inside the Reactor?** *Author:* Daniel M. Dobkin and Michael K. Zuraw. eds. *Publish.:* Kluwer Academic *- place:* *- date:* 2003 *Subject:* Coating Processes - Materials Science *Desc:* 288 p, 6.3 x 9.5 Hardcover	*Dvnix:* *Call No:* *ISBN:* 1402012489 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $85.00

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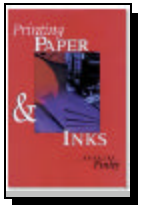
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Biopolymers and Medical Applications Colloids and Emulsions Paints and Protective Coatings		1053 **Principles of Colloid and Surface Chemistry, 3rd Ed.** *Author:* Paul C. Hiemenz and Rai Rajagopalan *Publish.:* Marcel Dekker *- place:* *- date:* 1997 *Subject:* Colloids and Emulsions - Biopolymers and Medical Applications - Pa *Desc:* 670 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 824793978 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $65.00
	Color Theory, Testing and Analysis Printing Technology		1303 **Principles of Color Reproduction** *Author:* *Publish.:* GATF *- place:* *- date:* 2000 *Subject:* Color Theory, Testing, and Analysis - Printing Technology *Desc:* 480 p, 5.5 x 8.5 Paperback	*Dynix:* *Call No:* *ISBN:* 88362222 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $58.50
	Additives Inks and Coatings Printing Technology		1211 **Printing Ink and Overprint Varnish Formulations, 2nd Ed.** *Author:* Ernest W. Flick *Publish.:* Noves Publications *- place:* *- date:* 1999 *Subject:* Inks and Coatings - Additives - Printing Technology *Desc:* 144 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514409 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $78.50
	Color Theory, Testing and Analysis Inks and Coatings Paper and Paperboard		1128 **Printing Paper & Inks** *Author:* Charles Finlev *Publish.:* Delmar *- place:* *- date:* 1997 *Subject:* Paper and Paperboard - Color Theory, Testing, and Analysis - Inks *Desc:* 459 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 827364415 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $43.50
	General Reference Printing Technology		1201 **Printing Plant Layout and Facility Design, 2nd Ed.** *Author:* A. John Geis *Publish.:* GATF *- place:* *- date:* 1997 *Subject:* Printing Technology - General Reference *Desc:* 218 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 883622114 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $58.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Color Theory, Testing and Analysis Printing Technology		1129 **Printing Technology, 5th Ed.** *Author:* J. Michael Adams and Penny Ann Dolin *Publish.:* Delmar *- place:* *- date:* 2002 *Subject:* Printing Technology - Color Theory, Testing, and Analysis *Desc:* 558 p, 7.88 x 9.13 Hardcover	*Dynix:* *Call No:* *ISBN:* 76682232 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $51.50
	Experimental Design and Analysis QA/QC, Statistics, and Testing		1412 **Probability, Statistics, and Reliability for Engineers and Scientists, 2nd Ed.** *Author:* Bilal M. Ayyub and Richard H. McCuen *Publish.:* Chapman & Hall *- place:* *- date:* 2002 *Subject:* QA/QC, Statistics, and Testing - Experimental Design and Analysis *Desc:* 650 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1584882867 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $88.50
	Composites, Laminates, and Fibers Materials Science Polymer Science		1429 **Processes of Fiber Formation** *Author:* Zbigniew K. Walczak *Publish.:* Elsevier *- place:* *- date:* 2002 *Subject:* Composites, Laminates, and Fibers - Materials Science - Polymer S *Desc:* 424 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 80440401 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $106.50
	Paper and Paperboard QA/QC, Statistics, and Testing		1089 **Properties of Paper: An Introduction, 2nd Ed.** *Author:* *Publish.:* TAPPI Press *- place:* *- date:* 1995 *Subject:* Paper and Paperboard - QA/QC, Statistics, and Testing *Desc:* 209 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 898520622 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $55.00
	Patents and Intellectual Property		1557 **Protecting Your Ideas: The Inventor's Guide to Patents** *Author:* Jov L. Brvant *Publish.:* Academic Press *- place:* *- date:* 1998 *Subject:* Patents and Intellectual Property *Desc:* 243 p., 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 0121384101 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $15.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Composites, Laminates, and Fibers QA/QC, Statistics, and Testing Textiles and Nonwovens		1489 **Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.** *Author:* Karl Mahall *Publish.:* Springer *- place:* *- date:* 2003 *Subject:* Textiles and Nonwovens - Composites, Laminates, and Fibers - QA *Desc:* 260 p, 6.5 x 9.6 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540440720 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $118.50
	Adhesives and Adhesion Experimental Design and Analysis QA/QC, Statistics, and Testing		1122 **Quality Assurance in Adhesive Technology** *Author:* EUREKA Project EU716 *Publish.:* Abington Publications *- place:* *- date:* 1998 *Subject:* Adhesives and Adhesion - Experimental Design and Analysis - QA/ *Desc:* 168 p, 8.2 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1855732599 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $155.00
	Quality Assurance		1579 **Quality Audit Handbook, 2nd Edition** *Author:* *Publish.:* ASQC *- place:* *- date:* 1999 *Subject:* Quality Assurance *Desc:* 218 pages, hardbound.	*Dynix:* *Call No:* *ISBN:* 087389460X *LCCN:* *Shelf*	*Edition:* 2nd Edition *Series:* *Year:* 1999 *Price:* $82.00
	QA/QC, Statistics, and Testing Recommend this Site		1515 **Quality Engineering Handbook, 2nd Ed.** *Author:* Thomas Pyzdek (edited by Paul A. Keller) *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* QA/QC, Statistics, and Testing - Recommend this Site *Desc:* 744 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* 824746147 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $133.50
	Adhesives and Adhesion Curing and Photopolymerization Processes Inks and Coatings		1322 **Radiation Curing (Rapra Review Report 136)** *Author:* R.S. Davidson *Publish.:* Rapra *- place:* *- date:* 2001 *Subject:* Curing and Photopolymerization Processes - Adhesives and Adhesi *Desc:* 128 p, 8.3 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 185957288 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $123.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion Inks and Coatings Paints and Protective Coatings		1132 **Recent Developments in Epoxy Resins (Rapra Review Report 91)** *Author:* I. Hamerton *Publish.:* Rapra *- place:* *- date:* 1995 *Subject:* Paints and Protective Coatings - Adhesives and Adhesion - Inks and *Desc:* 185 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859570836 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $121.50
	Composites, Laminates, and Fibers Wear, Weathering, and Tribology		1160 **Reinforced Plastics Durability** *Author:* Geoffrey Pritchard, ed. *Publish.:* CRC Press *- place:* *- date:* 1999 *Subject:* Wear, Weathering, and Tribology - Composites, Laminates, and Fibe *Desc:* 384 p, 6.1 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 849305470 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $161.50
	Application/Curing		1580 **Remedies for Common Paint Problems** *Author:* *Publish.:* R&H *- place:* *- date:* *Subject:* Application/Curing *Desc:* 22 cards.	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* *Price:* $28.00
	General Reference Recommend this Site		1525 **Research and Development Management in the Chemical and Pharmaceutical Industry, 2nd E** *Author:* Peter Bamfield *Publish.:* Wiley - VCH *- place:* *- date:* 2003 *Subject:* General Reference - Recommend this Site *Desc:* 280 p, 6.6 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527306676 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $75.00
	Inks and Coatings Paints and Protective Coatings Solubility and Surfactants		1045 **Resins for Coatings: Chemistry, Properties, and Applications** *Author:* Dieter Stove and Werner Freitag, eds. *Publish.:* Hanser Gardner *- place:* *- date:* 1996 *Subject:* Paints and Protective Coatings - Inks and Coatings - Solubility and S *Desc:* 475 p, 6.5 x 9.3 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902097 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $148.50

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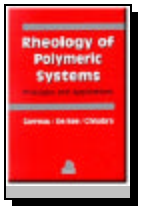
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Paints and Protective Coatings Polymer Science		1343 **Resins for Surface Coatings, 2nd Ed. [Vol. 1: Acrylics & Epoxies]** *Author:* P.K.T. Oldring, ed. *Publish.:* Wiley - SITA Technology *- place:* *- date:* 2001 *Subject:* Paints and Protective Coatings - Polymer Science *Desc:* 374 p, 6.5 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471978949 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $185.00
	Paints and Protective Coatings Recommend this Site		1344 **Resins for Surface Coatings, 2nd Ed. [Vol. 2: Alkyds & Polyesters]** *Author:* P.K.T. Oldring, ed. *Publish.:* Wiley - SITA Technology *- place:* *- date:* 2001 *Subject:* Paints and Protective Coatings - Recommend this Site *Desc:* 226 p, 6.5 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471978957 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $166.50
	Additives Paper and Paperboard		1130 **Retention of Fines and Fillers During Papermaking** *Author:* Jerome M. Gess, ed. *Publish.:* TAPPI Press *- place:* *- date:* 1998 *Subject:* Paper and Paperboard - Additives *Desc:* 372 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 898520665 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $105.00
	Experimental Design and Analysis Extrusion QA/QC, Statistics, and Testing		1279 **Rheology in Plastics Quality Control** *Author:* John M. Dealy and Peter C. Saucier *Publish.:* Hanser Gardner *- place:* *- date:* 2000 *Subject:* QA/QC, Statistics, and Testing - Experimental Design and Analysis *Desc:* 152 p, 6.5 x 9.5 Hardcover with CD-ROM	*Dynix:* *Call No:* *ISBN:* 1569902860 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $73.50
	Polymer Characterization Polymer Science		1083 **Rheology of Polymeric Systems: Principles and Applications** *Author:* *Publish.:* Hanser Gardner *- place:* *- date:* 1997 *Subject:* Polymer Science - Polymer Characterization *Desc:* 534 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902186 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $93.50

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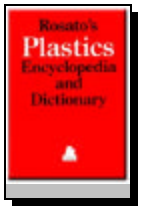
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Converting Technology Extrusion Plastic films		1051 **Roll and Web Defect Terminology** *Author:* R. Duane Smith. ed. *Publish.:* TAPPI Press *- place:* *- date:* 1995 *Subject:* Converting Technology - Extrusion - Plastic Films - Printing Techno *Desc:* 261 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 89852279 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $68.50
	General Reference Health, Safety, and the Environment Plastics Processing Technology		1037 **Rosato's Plastics Encyclopedia and Dictionary** *Author:* Dominick V. Rosato *Publish.:* Hanser Gardner *- place:* *- date:* 1993 *Subject:* General Reference - Health. Safety. and the Environment - Plastics I *Desc:* 885 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569900884 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $93.50
	Adhesives and Adhesion Materials Science		1445 **Rubber Bonding 2001: Advances in the Bonding of Rubber to Various Substrates** *Author:* *Publish.:* Rapra *- place:* *- date:* 2001 *Subject:* Adhesives and Adhesion - Materials Science *Desc:* 224 p, 8 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859572987 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $138.50
	Curing and Photopolymerization Processes Recommend this Site		1403 **Rubber Curing Systems (Rapra Review Report 144)** *Author:* R.N. Datta *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Curing and Photopolymerization Processes - Recommend this Site *Desc:* 152 p, 8.2 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859573266 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $123.50
	Additives Materials Science		1246 **Rubber Formulary** *Author:* Peter A. Ciullo and Norman Hewitt *Publish.:* Plastics Design Library *- place:* *- date:* 1999 *Subject:* Materials Science - Additives *Desc:* 765 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514344 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $205.00

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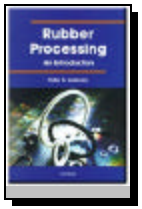
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Extrusion Materials Science Plastics Processing Technology		1319 **Rubber Processing: An Introduction** *Author:* Peter S. Johnson *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Plastics Processing Technology - Extrusion - Materials Science *Desc:* 158 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903093 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $63.50
	Materials Science Recommend this Site		1408 **Rubber Technologist's Handbook** *Author:* Jim R. White and Sadhan K. De. eds. *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Materials Science - Recommend this Site *Desc:* 596 p, 7.2 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 1859572626 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $236.50
	Additives Plastics Processing Technology QA/QC, Statistics, and Testing		1314 **Rubber Technology: Compounding and Testing for Performance** *Author:* John S. Dick. ed. *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Plastics Processing Technology - Additives - QA/QC. Statistics. and *Desc:* 592 p, 6.4 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 156990278 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $138.50
	General Reference Health, Safety, and the Environment		1376 **Safety, Health, and Asset Protection: Management Essentials, 2nd Ed.** *Author:* Richard W. Lack. ed. *Publish.:* St. Lucie Press *- place:* *- date:* 2002 *Subject:* Health. Safety. and the Environment - General Reference *Desc:* 886 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566703700 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $98.50
	Biopolymers and Medical Applications QA/QC, Statistics, and Testing		1485 **Scanning Probe Microscopes: Applications in Science and Technology** *Author:* K.S. Birdi *Publish.:* CRC Press *- place:* *- date:* 2003 *Subject:* QA/QC. Statistics. and Testing - Biopolymers and Medical Applicatic *Desc:* 328 p, 6.1 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 849309301 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $116.50

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	Polymer Surface Chemistry QA/QC, Statistics, and Testing Surface Characterization and Analysis		1478 **Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd E** *Author:* Dawn Bonnell. ed. *Publish.:* Wiley - VCH *- place:* *- date:* 2001 *Subject:* Surface Characterization and Analysis - Polymer Surface Chemistry *Desc:* 512 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 47124824 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $131.50
	Interfacial Engineering and Surface Science Recommend this Site		1288 **Science and Engineering of Droplets: Fundamentals and Applications** *Author:* Huimin Liu *Publish.:* Noves Publications *- place:* *- date:* 2000 *Subject:* Interfacial Engineering and Surface Science - Recommend this Site *Desc:* 540 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514360 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $98.50
	Inks and Coatings Printing Technology		1157 **Screen Printing Primer, 2nd Ed.** *Author:* Samuel Ingram *Publish.:* GATF *- place:* *- date:* 1999 *Subject:* Printing Technology - Inks and Coatings *Desc:* 152 p, 5.5 x 8.5 Paperback	*Dynix:* *Call No:* *ISBN:* 883622076 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $21.50
	Inks and Coatings Printing Technology Textiles and Nonwovens		1096 **Screen Printing: A Contemporary Approach** *Author:* Samuel B. Hoff *Publish.:* Delmar *- place:* *- date:* 1997 *Subject:* Printing Technology - Inks and Coatings - Textiles and Nonwovens *Desc:* 298 p, 8 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 827371284 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $53.50
	Adhesives and Adhesion Coating processes Interfacial Engineering and Surface Science		1386 **Silanes and Other Coupling Agents, Vol. 2** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 2000 *Subject:* Adhesives and Adhesion - Coating Processes - Interfacial Engineerir *Desc:* 300 p, 6.6 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643319 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $81.50

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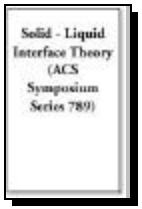
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	General Reference Health, Safety, and the Environment Materials Science		1021 **Simple Methods for Identification of Plastics, 4th Ed.** *Author:* Dieter Braun *Publish.:* Hanser Gardner *- place:* *- date:* 1999 *Subject:* General Reference - Health. Safety. and the Environment - Materials *Desc:* 138 p, 5.5 x 8.3 Paperback	*Dynix:* *Call No:* *ISBN:* 1569902801 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $36.50
	General Reference QA/QC, Statistics, and Testing		1455 **Six Sigma and Beyond, Vol. VII: The Implemenation Process** *Author:* D.H. Stamatis *Publish.:* St. Lucie Press *- place:* *- date:* 2003 *Subject:* QA/QC. Statistics. and Testing - General Reference *Desc:* 652 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 157444316 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $106.50
	Coating processes Paints and Protective Coatings		1329 **Society of Vacuum Coaters Technical Conference Proceedings 1991-2000 CD-ROM Edition** *Author:* SVC Staff *Publish.:* Society of Vacuum Coaters *- place:* *- date:* 2001 *Subject:* Coating Processes - Paints and Protective Coatings *Desc:* 0 p, CD-ROM	*Dynix:* *Call No:* *ISBN:* 815514824 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $81.50
	Adhesives and Adhesion Interfacial Engineering and Surface Science Polymer Surface Chemistry		1189 **Soft Interfaces: The 1994 Dirac Memorial Lecture** *Author:* Pierre Gilles de Gennes *Publish.:* Cambridge University Press *- place:* *- date:* 1997 *Subject:* Interfacial Engineering and Surface Science - Adhesives and Adhesi *Desc:* 128 p, 5 x 7.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 521564174 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $21.50
	Interfacial Engineering and Surface Science Surface Characterization and Analysis		1330 **Solid - Liquid Interface Theory (ACS Symposium Series 789)** *Author:* J. Woods Halley. ed. *Publish.:* American Chemical Society *- place:* *- date:* 2001 *Subject:* Interfacial Engineering and Surface Science - Surface Characterizatio *Desc:* 248 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 841237174 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $95.00

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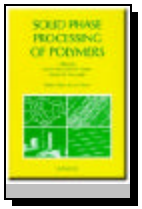
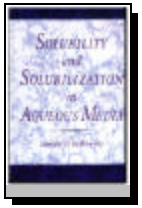
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Materials Science Surface Characterization and Analysis Wear, Weathering, and Tribology		1371 **Solid Lubrication Fundamentals and Applications** *Author:* Kazuhisa Miyoshi *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* Wear, Weathering, and Tribology - Materials Science - Surface Char *Desc:* 412 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824789059 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $88.50
	Composites, Laminates, and Fibers Plastics Processing Technology Polymer Characterization		1299 **Solid Phase Processing of Polymers** *Author:* *Publish.:* Hanser Gardner *- place:* *- date:* 2000 *Subject:* Plastics Processing Technology - Composites, Laminates, and Fibe *Desc:* 428 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903077 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $115.00
	Interfacial Engineering and Surface Science Recommend this Site		1487 **Solid-Liquid Interfaces: Macroscopic Phenomena - Microscopic Understanding** *Author:* K. Wandelt and S. Thurgate, eds. *Publish.:* Springer *- place:* *- date:* 2003 *Subject:* Interfacial Engineering and Surface Science - Recommend this Site *Desc:* 460 p, 6 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540425837 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $126.50
	Biopolymers and Medical Applications Colloids and Emulsions Solubility and Surfactants		1214 **Solubility and Solubilization in Aqueous Media** *Author:* Samuel H. Yalkowski *Publish.:* American Chemical Society *- place:* *- date:* 1999 *Subject:* Biopolymers and Medical Applications - Colloids and Emulsions - Sc *Desc:* 496 p, 6.1 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 841235767 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $98.50
	Recommend this Site Solubility and Surfactants		1451 **Solvent Mixtures: Properties and Selective Solvation** *Author:* Yizhak Marcus *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Solubility and Surfactants - Recommend this Site *Desc:* 278 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824708377 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $131.50

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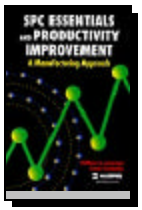
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Additives Adhesives and Adhesion Coating processes		1102 **Solvent-Free Adhesives (Rapra Review Report 101)** *Author:* T.E. Rolando *Publish.:* Rapra *- place:* *- date:* 1997 *Subject:* Adhesives and Adhesion - Additives - Coating Processes *Desc:* 136 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859571336 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $101.50
	Recommend this Site Solubility and Surfactants		1504 **Solvents and Solvent Effects in Organic Chemistry, 3rd Ed.** *Author:* Christian Reichardt *Publish.:* Wiley - VCH *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Recommend this Site *Desc:* 656 p, 6.5 x 0.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527306188 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $141.50
	Quality Assurance		1581 **SPC Essentials and Productivity Improvement** *Author:* *Publish.:* ASQC *- place:* *- date:* 1997 *Subject:* Quality Assurance *Desc:* 266 pages, hardbound.	*Dynix:* *Call No:* *ISBN:* 0873893727 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $45.00
	Experimental Design and Analysis Extrusion QA/QC, Statistics, and Testing		1292 **SPC: Statistical Process Control in Injection Molding and Extrusion** *Author:* Chris Rauwendaal *Publish.:* Hanser Gardner *- place:* *- date:* 2000 *Subject:* QA/QC, Statistics, and Testing - Experimental Design and Analysis *Desc:* 248 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569902852 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $73.50
	Converting Technology Extrusion Plastic films		1361 **SPE Guide on Extrusion Technology and Troubleshooting** *Author:* John Vlachopoulos and John R. Wagner, Jr., eds. *Publish.:* SPE *- place:* *- date:* 2002 *Subject:* Extrusion - Converting Technology - Plastic Films - *Desc:* 456 p, 8.5 x 11 Hardcover	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $138.50

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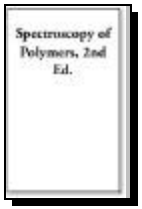
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Experimental Design and Analysis Materials Science Surface Characterization and Analysis		1268 **Specimen Handling, Preparation, and Treatments in Surface Characterization** *Author:* *Publish.:* Plenum Press *- place:* *- date:* 1998 *Subject:* Surface Characterization and Analysis - Experimental Design and An *Desc:* 320 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 30645887 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $146.50
	Polymer Characterization Polymer Science Polymer Surface Chemistry		1276 **Spectroscopy of Polymers, 2nd Ed.** *Author:* Jack L. Koenig *Publish.:* Elsevier *- place:* *- date:* 1999 *Subject:* Polymer Characterization - Polymer Science - Polymer Surface Che *Desc:* 506 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 444100318 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $121.50
	Materials Science Polymer Characterization		1447 **Spectroscopy of Rubbers and Rubbery Materials** *Author:* Victor M. Litvinov and Praina P. De. eds. *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Materials Science - Polymer Characterization *Desc:* 650 p, 7.2 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 1859572804 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $243.50
	Additives Plastics Processing Technology Wear, Weathering, and Tribology		1321 **Stabilisers for Polyolefins (Rapra Review Report 132)** *Author:* C. Krohnke and F. Werner *Publish.:* Rapra *- place:* *- date:* 2001 *Subject:* Additives - Plastics Processing Technology - Wear, Weathering, and *Desc:* 136 p, 8.3 x 11.5 Paperback	*Dynix:* *Call No:* *ISBN:* 1859572855 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $123.50
	Coating processes Colloids and Emulsions Paper and Paperboard		1351 **Starch and Starch Products in Surface Sizing and Paper Coating** *Author:* Hans W. Maurer. ed. *Publish.:* TAPPI Press *- place:* *- date:* 2001 *Subject:* Paper and Paperboard - Coating Processes - Colloids and Emulsion *Desc:* 182 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1930657560 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $121.50

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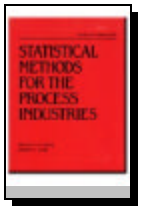
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Converting Technology QA/QC, Statistics, and Testing Textiles and Nonwovens		1024 **Statistical Methods for the Process Industries** *Author:* William H. McNeese and Robert A. Klein *Publish.:* Marcel Dekker *- place:* *- date:* 1991 *Subject:* QA/QC, Statistics, and Testing - Converting Technology - Textiles a *Desc:* 528 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 82478524 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1991 *Price:* $78.50
	Printing Technology QA/QC, Statistics, and Testing		1198 **Statistical Sampling in the Pressroom: GATF Research & Technology Report 12** *Author:* Phillip N. Hutton *Publish.:* GATF *- place:* *- date:* 1999 *Subject:* QA/QC, Statistics, and Testing - Printing Technology *Desc:* 20 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $28.50
	Adhesives and Adhesion Materials Science Polymer Surface Modification		1266 **Structural Adhesive Joints in Engineering, 2nd Ed.** *Author:* R.D. Adams, J. Comyn, and W.C. Wake *Publish.:* Chapman & Hall *- place:* *- date:* 1997 *Subject:* Adhesives and Adhesion - Materials Science - Polymer Surface Mod *Desc:* 370 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 412709201 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $188.50
	Recommend this Site Solubility and Surfactants		1501 **Structure - Performance Relationships in Surfactants, 2nd Ed.** *Author:* Kunio Esumi and Minoru Ueno, eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Recommend this Site *Desc:* 810 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824740440 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $171.50
	Composites, Laminates, and Fibers Materials Science Plastics Processing Technology		1313 **Structure Formation in Polymeric Fibers** *Author:* David R. Salem, ed. *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Composites, Laminates, and Fibers - Materials Science - Plastics Pr *Desc:* 596 p, 6.4 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903069 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $135.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Materials Science Polymer Science Solubility and Surfactants		1143 **Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, a** *Author:* Ya-Ping Sun. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Materials Science - Polymer Science - Solubility and Surfactants *Desc:* 592 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 82470651 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $168.50
	Recommend this Site Solubility and Surfactants		1461 **Surface Active Behaviour of Performance Surfactants** *Author:* David R. Karsa. ed. *Publish.:* Sheffield Academic *- place:* *- date:* 2000 *Subject:* Solubility and Surfactants - Recommend this Site *Desc:* 218 p, 6 x 9.1 Hardcover	*Dynix:* *Call No:* *ISBN:* 849305055 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $126.50
	Paper and Paperboard Printing Technology Surface Characterization and Analysis		1030 **Surface Analysis of Paper** *Author:* Terrance E. Conners and Suiit Baneriee. eds. *Publish.:* CRC Press *- place:* *- date:* 1995 *Subject:* Paper and Paperboard - Printing Technology - Surface Characterizat *Desc:* 368 p, 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 849389925 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $175.00
	Polymer Characterization Polymer Surface Chemistry Surface Characterization and Analysis		1190 **Surface Analysis of Polymers by XPS and Static SIMS** *Author:* David Briggs *Publish.:* Cambridge University Press *- place:* *- date:* 1998 *Subject:* Surface Characterization and Analysis - Polymer Characterization - I *Desc:* 212 p, 6.8 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 521352223 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $63.50
	Polymer Characterization Polymer Surface Modification Surface Characterization and Analysis		1070 **Surface Analysis: The Principle Techniques** *Author:* John C. Vickerman. ed. *Publish.:* John Wiley & Sons *- place:* *- date:* 1997 *Subject:* Surface Characterization and Analysis - Polymer Characterization - I *Desc:* 473 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 471972924 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $56.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Colloids and Emulsions Recommend this Site		1430 **Surface and Colloid Science (Progress in Colloid and Polymer Science, Vol. 116)** *Author:* T. Razamus. B. Lindman. and T. Nvlander. eds. *Publish.:* Springer *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Recommend this Site *Desc:* 166 p, 8.2 x 10.8 Hardcover	*Dvnix:* *Call No:* *ISBN:* 354067814 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $135.00
	Colloids and Emulsions Interfacial Engineering and Surface Science		1362 **Surface and Colloid Science, Vol. 16** *Author:* Egon Matijevic. ed. *Publish.:* Plenum Press *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Interfacial Engineering and Surface Science *Desc:* 422 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 30646456 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $121.50
	Polymer Characterization QA/QC, Statistics, and Testing Surface Characterization and Analysis		1438 **Surface and Thin Film Analysis: A Compendium of Principles, Instrumentation, and Applicat** *Author:* H. Bubert and H. Jenett. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 2002 *Subject:* Surface Characterization and Analysis - Polymer Characterization - *Desc:* 354 p, 6.5 x 9.5 Hardcover	*Dvnix:* *Call No:* *ISBN:* 3527304584 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $113.50
	Additives Coating processes Paper and Paperboard		1175 **Surface Application of Paper Chemicals** *Author:* James Brander and Ian Thorn. eds. *Publish.:* Blackie Academic &amp: Professional *- place:* *- date:* 1997 *Subject:* Paper and Paperboard - Additives - Coating Processes *Desc:* 288 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 751403709 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $168.50
	Composites, Laminates, and Fibers Interfacial Engineering and Surface Science Surface Characterization and Analysis		1301 **Surface Characteristics of Fibers and Textiles** *Author:* Christopher M. Pastore and Paul Kiekens. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 2001 *Subject:* Composites. Laminates. and Fibers - Interfacial Engineering and Surf *Desc:* 306 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 824700023 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $105.00

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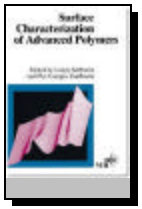
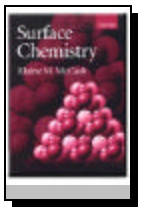
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Biopolymers and Medical Applications Polymer Surface Modification Surface Characterization and Analysis		1108 **Surface Characterization of Advanced Polymers** *Author:* Luigia Sabbatini and Pier Giorgio Zambonin. eds. *Publish.:* Wiley - VCH *- place:* *- date:* 1993 *Subject:* Surface Characterization and Analysis - Biopolymers and Medical A *Desc:* 319 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527285121 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $125.00
	QA/QC, Statistics, and Testing Surface Characterization and Analysis		1238 **Surface Characterization: A User's Sourcebook** *Author:* *Publish.:* Wiley - VCH *- place:* *- date:* 1997 *Subject:* Surface Characterization and Analysis - QA/QC. Statistics. and Test *Desc:* 716 p, 6.7 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527288430 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $251.50
	Interfacial Engineering and Surface Science Polymer Science Surface Characterization and Analysis		1535 **Surface Chemistry** *Author:* Elaine M. McCash *Publish.:* Oxford University Press *- place:* *- date:* 2001 *Subject:* Interfacial Engineering and Surface Science - Polymer Science - Sur *Desc:* 188 p, 6.5 x 9.5 Paperback	*Dynix:* *Call No:* *ISBN:* 198503288 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $31.50
	Biopolymers and Medical Applications Colloids and Emulsions Interfacial Engineering and Surface Science		1226 **Surface Chemistry and Electrochemistry of Membranes** *Author:* Torben Smith Sorensen. ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Colloids and Emulsions - Biopolymers and Medical Applications - Int *Desc:* 1030 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824719220 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $188.50
	Additives Coating processes Paints and Protective Coatings		1034 **Surface Coatings: Science and Technology, 2nd Ed.** *Author:* Swarai Paul *Publish.:* John Wiley & Sons *- place:* *- date:* 1996 *Subject:* Paints and Protective Coatings - Additives - Coating Processes *Desc:* 946 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471958182 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $336.50

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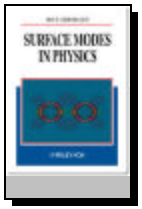
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Materials Science Surface Characterization and Analysis		1507 **Surface Contamination and Cleaning, Vol. 1** *Author:* K.L. Mittal. ed. *Publish.:* VSP *- place:* *- date:* 2003 *Subject:* Materials Science - Surface Characterization and Analysis *Desc:* 374 p, 6.2 x 9.4 Hardcover	*Dynix:* *Call No:* *ISBN:* 9067643769 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $183.50
	Materials Science Surface Characterization and Analysis		1338 **Surface Modes in Physics** *Author:* Bo E. Sernelius *Publish.:* Wiley - VCH *- place:* *- date:* 2001 *Subject:* Surface Characterization and Analysis - Materials Science *Desc:* 370 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527403132 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $146.50
	Biopolymers and Medical Applications Polymer Surface Modification		1067 **Surface Modification of Polymeric Biomaterials** *Author:* Buddy D. Ratner and David G. Castner. eds. *Publish.:* Plenum Press *- place:* *- date:* 1997 *Subject:* Biopolymers and Medical Applications - Polymer Surface Modificatio *Desc:* 215 p, 6.5 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 306455129 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $141.50
	Additives Coating processes Inks and Coatings		1005 **Surface Phenomena and Additives in Water-Based Coatings and Printing Technology** *Author:* Mahendra K. Sharma. ed. *Publish.:* Plenum Press *- place:* *- date:* 1991 *Subject:* Inks and Coatings - Additives - Coating Processes - Polymer Surfac *Desc:* 320 p, 6.5 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 306441039 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1991 *Price:* $173.50
	Additives Coating processes Inks and Coatings		1033 **Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology** *Author:* Mahendra K. Sharma and F.J. Micale. eds. *Publish.:* Plenum Press *- place:* *- date:* 1991 *Subject:* Coating Processes - Additives - Inks and Coatings - Printing Techno *Desc:* 343 p, 6.5 x 9.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 306437244 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1991 *Price:* $181.50

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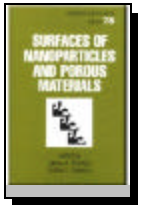
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Additives Coating processes Inks and Coatings		1058 **Surface Phenomena and Latexes in Waterborne Coatings and Printing Techonology** *Author:* Mahendra K. Sharma. ed. *Publish.:* Plenum Press *- place:* *- date:* 1995 *Subject:* Inks and Coatings - Additives - Coating Processes - Printing Techno *Desc:* 240 p, 6.5 x 9.8 Hardcover	*Dvnix:* *Call No:* *ISBN:* 306451069 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $141.50
	Polymer Characterization Polymer Surface Chemistry Surface Characterization and Analysis		1275 **Surface Science Techniques** *Author:* J.M. Walls and R. Smith. eds. *Publish.:* Pergamon Press *- place:* *- date:* 1994 *Subject:* Surface Characterization and Analysis - Polymer Characterization - I *Desc:* 196 p, 8.5 x 11 Hardcover	*Dvnix:* *Call No:* *ISBN:* 80421482 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $53.50
	Interfacial Engineering and Surface Science Surface Characterization and Analysis		1342 **Surface Science: Foundations of Catalysis and Nanoscience** *Author:* Kurt W. Kolasinski *Publish.:* John Wiley & Sons *- place:* *- date:* 2002 *Subject:* Surface Characterization and Analysis - Interfacial Engineering and S *Desc:* 318 p, 6.5 x 9.5 Paperback	*Dvnix:* *Call No:* *ISBN:* 471492450 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $45.00
	Colloids and Emulsions Interfacial Engineering and Surface Science Materials Science		1146 **Surfaces of Nanoparticles and Porous Materials** *Author:* James A. Schwarz and Cristian I. Contescu. eds. *Publish.:* Marcel Dekker *- place:* *- date:* 1999 *Subject:* Interfacial Engineering and Surface Science - Colloids and Emulsions *Desc:* 804 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 824719336 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $213.50
	Biopolymers and Medical Applications Solubility and Surfactants		1416 **Surfactants and Polymers in Drug Delivery** *Author:* Martin Malmsten *Publish.:* Marcel Dekker *- place:* *- date:* 2002 *Subject:* Biopolymers and Medical Applications - Solubility and Surfactants *Desc:* 356 p, 6 x 9 Hardcover	*Dvnix:* *Call No:* *ISBN:* 824708040 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $145.00

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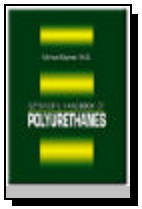
Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Adhesives and Adhesion Inks and Coatings Solubility and Surfactants		1510 **Surfactants in Polymers, Coatings, Inks, and Adhesives** *Author:* David R. Karsa. ed. *Publish.:* Blackwell Publishing *- place:* *- date:* 2003 *Subject:* Solubility and Surfactants - Adhesives and Adhesion - Inks and Coat *Desc:* 320 p, 6.1 x 9.2 Hardcover	*Dynix:* *Call No:* *ISBN:* 84932808 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $125.00
	Interfacial Engineering and Surface Science Solubility and Surfactants		1428 **Surfactants: Chemistry, Interfacial Properties, Applications** *Author:* V.B. Fainerman. D. Mobius. and R. Miller. eds. *Publish.:* Elsevier *- place:* *- date:* 2001 *Subject:* Solubility and Surfactants - Interfacial Engineering and Surface Scien *Desc:* 678 p, 6.5 x 9.5 Hardcover with CD-ROM	*Dynix:* *Call No:* *ISBN:* 444509623 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $228.50
	Additives Adhesives and Adhesion Coating processes		1118 **Synthetic Coating Adhesives** *Author:* Alan K. Macnair. ed. *Publish.:* TAPPI Press *- place:* *- date:* 1998 *Subject:* Additives - Adhesives and Adhesion - Coating Processes - Inks and *Desc:* 66 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 898523494 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $35.00
	Polymer Science		1550 **Szycher's Handbook of Polyurethanes** *Author:* Michael Szycher *Publish.:* CRC Press *- place:* *- date:* 1999 *Subject:* Polymer Science *Desc:* 700 p., 7 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 0849306027 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $133.50
	Experimental Design and Analysis Printing Technology		1153 **Taming the Flexo Process - A Beginning, Experiment and Verification** *Author:* *Publish.:* FTA *- place:* *- date:* 1994 *Subject:* Printing Technology - Experimental Design and Analysis *Desc:* 112 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $15.00

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Converting Technology Experimental Design and Analysis Printing Technology		1154 **Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verifica** *Author:* Flexo Quality Consortium *Publish.:* FTA *- place:* *- date:* 1997 *Subject:* Printing Technology - Converting Technology - Experimental Design *Desc:* 50 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $15.00
	Experimental Design and Analysis Printing Technology		1155 **Taming the Flexo Process, Vol. 4: Plate Construction Project, Experiment and Verification** *Author:* Flexo Quality Consortium *Publish.:* FTA *- place:* *- date:* 1999 *Subject:* Printing Technology - Experimental Design and Analysis *Desc:* 28 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $15.00
	Adhesives and Adhesion Converting Technology QA/QC, Statistics, and Testing		1057 **TAPPI 2002 - 2003 Test Methods** *Author:* *Publish.:* TAPPI Press *- place:* *- date:* 2002 *Subject:* QA/QC, Statistics, and Testing - Adhesives and Adhesion - Convert *Desc:* 0 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1930657935 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $188.50
	General Reference Recommend this Site		1457 **Technical Graphics Communication, 3rd Ed.** *Author:* Garv R. Bertoline and Eric N. Wiebe *Publish.:* McGraw-Hill *- place:* *- date:* 2003 *Subject:* General Reference - Recommend this Site *Desc:* 1312 p, 8.5 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 73655988 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $85.00
	Packaging Conformance and Specifications Packaging Technology Packaging: General Reference		1300 **Technology of Plastics Packaging for the Consumer Market** *Author:* Geoff A. Giles and David R. Bain. eds. *Publish.:* CRC Press *- place:* *- date:* 2001 *Subject:* Packaging Technology - Packaging Conformance and Specifications *Desc:* 274 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 84930508 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $133.50

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Cover	Subjects	Volumes	Title	Location	Edition / Series / Misc.
	Converting Technology Paper and Paperboard Plastic films		1193 **Tension Control** *Author:* Kee-Hyun Shin *Publish.:* TAPPI Press *- place:* *- date:* 2000 *Subject:* Converting Technology - Paper and Paperboard - Plastic Films - Pri *Desc:* 130 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 898523486 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $55.00
	Coating processes Curing and Photopolymerization Processes Experimental Design and Analysis		1020 **Test Methods for UV and EB Curable Systems** *Author:* C. Lowe and P.K.T. Oldring *Publish.:* Wiley - SITA Technology *- place:* *- date:* 1997 *Subject:* Curing and Photopolymerization Processes - Coating Processes - E *Desc:* 219 p, 6.8 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471978817 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $121.50
	Color Theory, Testing and Analysis Textiles and Nonwovens		1188 **Textile Coloration and Finishing** *Author:* Warren S. Perkins *Publish.:* Carolina Academic Press *- place:* *- date:* 1996 *Subject:* Textiles and Nonwovens - Color Theory, Testing, and Analysis *Desc:* 248 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 890898855 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1996 *Price:* $45.00
	Polymer Characterization Polymer Science		1171 **Theoretical and Mathematical Models in Polymer Research: Modern Methods in Polymer Rese** *Author:* Alexander Grosberg, ed. *Publish.:* Academic Press *- place:* *- date:* 1998 *Subject:* Polymer Characterization - Polymer Science *Desc:* 298 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 123041406 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $58.50
	Polymer Characterization Polymer Science		1066 **Thermal Analysis of Polymers (Rapra Review Report 95)** *Author:* M.P. Sepe *Publish.:* Rapra *- place:* *- date:* 1995 *Subject:* Polymer Characterization - Polymer Science *Desc:* 119 p, 8.5 x 11 Paperback	*Dynix:* *Call No:* *ISBN:* 1859571077 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1995 *Price:* $121.50

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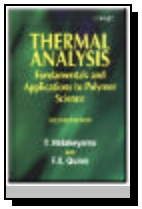
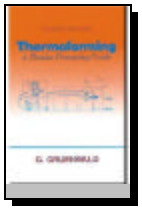
	Materials Science Polymer Characterization		1539 **Thermal Analysis: Fundamentals and Applications to Polymer Science, 2nd Ed.** *Author:* T. Hatakevama and F.X. Quinn *Publish.:* John Wiley & Sons *- place:* *- date:* 1999 *Subject:* Polymer Characterization - Materials Science *Desc:* 190 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 471983624 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1999 *Price:* $123.50
	Packaging Technology Plastics Processing Technology Polymer Science		1113 **Thermoforming: A Plastics Processing Guide, 2nd Ed.** *Author:* Geza Gruenwald *Publish.:* Technomic *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Packaging Technology - Polymer *Desc:* 254 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566766257 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $108.50
	Coating processes Materials Science Paints and Protective Coatings		1232 **Thin Films on Glass** *Author:* Hans Bach and Dieter Krause, eds. *Publish.:* Springer *- place:* *- date:* 1997 *Subject:* Materials Science - Coating Processes - Paints and Protective Coati *Desc:* 422 p, 6.2 x 9.3 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540585974 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $171.50
	Coating processes Surface Characterization and Analysis		1474 **Thin Films: Preparation, Characterization, Applications** *Author:* *Publish.:* Plenum Press *- place:* *- date:* 2002 *Subject:* Surface Characterization and Analysis - Coating Processes *Desc:* 378 p, 6.5 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 306473356 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $163.50
	Printing Technology QA/QC, Statistics, and Testing		1200 **Total Production Maintenance: A Guide for the Printing Industry, 2nd Ed.** *Author:* Kenneth E. Rizzo *Publish.:* GATF *- place:* *- date:* 2001 *Subject:* Printing Technology - QA/QC, Statistics, and Testing *Desc:* 310 p, 7.5 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 88362298 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $58.50

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	Health, Safety, and the Environment Inks and Coatings Paints and Protective Coatings		1406 **Toxicology of Solvents** *Author:* Maeve McParland and Nicola Bates. eds. *Publish.:* Rapra *- place:* *- date:* 2002 *Subject:* Health. Safety. and the Environment - Inks and Coatings - Paints and *Desc:* 430 p, 8.3 x 11.7 Hardcover	*Dynix:* *Call No:* *ISBN:* 1859572960 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2002 *Price:* $183.50
	Quality Assurance		1582 **TQM: A Step-by-Step Guide to Implementation** *Author:* *Publish.:* ASQC *- place:* *- date:* 1991 *Subject:* Quality Assurance *Desc:* 235 pages, hardbound.	*Dynix:* *Call No:* *ISBN:* 0873891163 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1991 *Price:* $45.00
	General Reference Patents and Intellectual Property		1195 **Trademark: Legal Care for Your Business & Product Name, 6th Ed.** *Author:* Stephen Elias *Publish.:* Nolo Press *- place:* *- date:* 2003 *Subject:* Patents and Intellectual Property - General Reference *Desc:* 340 p, 7 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 873379454 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $18.50
	General Reference Health, Safety, and the Environment		1018 **Training in Plastics Technology, 2nd Ed.** *Author:* *Publish.:* Hanser Gardner *- place:* *- date:* 2000 *Subject:* General Reference - Health. Safety. and the Environment *Desc:* 196 p, 6.7 x 10.2 Paperback	*Dynix:* *Call No:* *ISBN:* 1569902933 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2000 *Price:* $45.00
	Biopolymers and Medical Applications Colloids and Emulsions Interfacial Engineering and Surface Science		1432 **Trends in Colloid and Interface Science XV (Progress in Colloid and Polymer Science, Vol. 11** *Author:* P.G. Koutsoukos. ed. *Publish.:* Springer *- place:* *- date:* 2001 *Subject:* Colloids and Emulsions - Biopolymers and Medical Applications - Int *Desc:* 310 p, 8.2 x 10.8 Hardcover	*Dynix:* *Call No:* *ISBN:* 3540422412 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $161.50

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	Extrusion Plastic films Plastics Processing Technology		1373 **Troubleshooting the Extrusion Process: A Systematic Approach to Solving Plastic Extrusion** *Author:* Maria del Pilar Noriega E. and Chris Rauwendaal *Publish.:* Hanser Gardner *- place:* *- date:* 2001 *Subject:* Extrusion - Plastic Films - Plastics Processing Technology *Desc:* 168 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569903204 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $83.50
	Color Theory, Testing and Analysis Recommend this Site		1524 **Understanding Color Management** *Author:* Abhay Sharma *Publish.:* Delmar *- place:* *- date:* 2004 *Subject:* Color Theory, Testing, and Analysis - Recommend this Site *Desc:* 380 p, 7.4 x 9.2 Paperback	*Dynix:* *Call No:* *ISBN:* 1401814476 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2004 *Price:* $43.50
	Extrusion Plastics Processing Technology Polymer Science		1115 **Understanding Compounding** *Author:* Robert H. Wildi and Christian Maier *Publish.:* Hanser Gardner *- place:* *- date:* 1998 *Subject:* Plastics Processing Technology - Extrusion - Polymer Science *Desc:* 199 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 1569902283 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $36.50
	Experimental Design and Analysis QA/QC, Statistics, and Testing		1079 **Understanding Design of Experiments: A Primer for Technologists** *Author:* R.J. Del Vecchio *Publish.:* Hanser Gardner *- place:* *- date:* 1997 *Subject:* Experimental Design and Analysis - QA/QC, Statistics, and Testing *Desc:* 187 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 1569902224 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $36.50
	Composites, Laminates, and Fibers Converting Technology Extrusion		1139 **Understanding Extrusion** *Author:* Chris Rauwendaal *Publish.:* Hanser Gardner *- place:* *- date:* 1998 *Subject:* Extrusion - Composites, Laminates, and Fibers - Converting Techno *Desc:* 152 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 156990233 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $36.50

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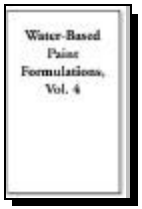
	Packaging Technology Plastic films Plastics Processing Technology		1093 **Understanding Plastics Packaging Technology** *Author:* Susan E.M. Selke *Publish.:* Hanser Gardner *- place:* *- date:* 1997 *Subject:* Packaging Technology - Plastic Films - Plastics Processing Techno *Desc:* 220 p, 6 x 9 Paperback	*Dynix:* *Call No:* *ISBN:* 1569902348 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $36.50
	Biopolymers and Medical Applications Packaging Conformance and Specifications QA/QC, Statistics, and Testing		1486 **Validating Medical Packaging** *Author:* Ronald Pilchik *Publish.:* CRC Press *- place:* *- date:* 2003 *Subject:* Packaging Conformance and Specifications - Biopolymers and Medi *Desc:* 160 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566768071 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $135.00
	Interfacial Engineering and Surface Science Recommend this Site		1481 **Van der Waals Complexes in Supersonic Beams: Laser Spectroscopy of Neutral-Neutral Interi** *Author:* Jaroslaw Koperski *Publish.:* Wiley - VCH *- place:* *- date:* 2003 *Subject:* Interfacial Engineering and Surface Science - Recommend this Site *Desc:* 234 p, 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 3527403841 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2003 *Price:* $148.50
	Paints and Protective Coatings Recommend this Site		1239 **Water-Based Paint Formulations, Vol. 4** *Author:* Ernest W. Flick *Publish.:* Noves Publications *- place:* *- date:* 1997 *Subject:* Paints and Protective Coatings - Recommend this Site *Desc:* 268 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 815514158 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1997 *Price:* $78.50
	Paints and Protective Coatings		1546 **Water-Borne Coatings: The Environmentally-Friendly Alternative** *Author:* Klaus Doren, Werner Freitag, and Dieter Stove *Publish.:* Hanser Gardner *- place:* *- date:* 1994 *Subject:* Paints and Protective Coatings *Desc:* 201 p., 6.5 x 9.5 Hardcover	*Dynix:* *Call No:* *ISBN:* 1569901392 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1994 *Price:* $55.00

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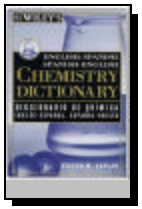
	Colloids and Emulsions Interfacial Engineering and Surface Science Surface Characterization and Analysis		1022 **Wettability** *Author:* John C. Berg, ed. *Publish.:* Marcel Dekker *- place:* *- date:* 1993 *Subject:* Surface Characterization and Analysis - Colloids and Emulsions - Int *Desc:* 451 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 824790464 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $208.50
	Inks and Coatings Printing Technology		1183 **What the Printer Should Know About Ink, 3rd Ed.** *Author:* Nelson R. Eldred *Publish.:* GATF *- place:* *- date:* 2001 *Subject:* Inks and Coatings - Printing Technology *Desc:* 350 p, 7.5 x 10 Hardcover	*Dynix:* *Call No:* *ISBN:* 88362284 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 2001 *Price:* $58.50
	General Reference Plastics Processing Technology		1006 **Whittington's Dictionary of Plastics, 3rd Ed.** *Author:* James F. Carley, ed. *Publish.:* Technomic *- place:* *- date:* 1993 *Subject:* General Reference - Plastics Processing Technology *Desc:* 575 p, 6 x 9 Hardcover	*Dynix:* *Call No:* *ISBN:* 1566760909 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1993 *Price:* $115.00
	General Reference Recommend this Site		1110 **Wiley's English-Spanish/Spanish-English Chemistry Dictionary: Diccionario de Quimica Ingle** *Author:* Steven M. Kaplan *Publish.:* Wiley - Interscience *- place:* *- date:* 1998 *Subject:* General Reference - Recommend this Site *Desc:* 537 p, 7 x 10 Paperback	*Dynix:* *Call No:* *ISBN:* 471249238 *LCCN:* *Shelf*	*Edition:* *Series:* *Year:* 1998 *Price:* $53.50

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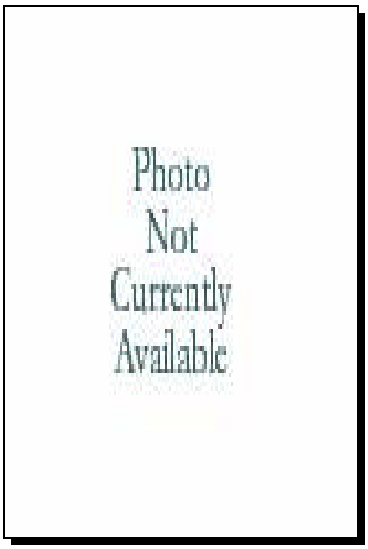
Title	Location	Edition / Series / Misc.

1380 **1995-1999 TAPPI Polymers, Laminations and Coatings Conference Proceedings**

Author:
Publish.: TAPPI Press
- place:
- date: 1999
Subject: Plastic Films
Desc: CD-ROM

Dynix:
Call No.:
ISBN: 898523680
Shelf

Edition:
Series:
Year: 1999
Price: $116.50



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Reviews - Synopsis - Dust Jacket

This CD-ROM contains a complete collection of all papers presented at the 1995, 1996, 1997, 1998, and 1999 TAPPI Polymers, Laminations and Coatings conferences — nearly 450 contributions concerning surface treating and priming, additives and modifiers, barrier and other packaging technologies, controls and measurements, web handling, extrusion coating, cast and blown film, adhesion, coextrusion, and much more.. The papers are searchable by title or abstract, and can be printed as needed. A wealth of information at a remarkable price — your technical library should include every year's proceedings!Target Audience: Technical personnel in a wide range of converting-related industries, including film extrusion, coating, laminating, flexible packaging, and printing; manufacturers of UV, waterborne, and solvent-based inks, coatings, and adhesives; and equipment specifiers concerned with these fields.

Subjects

301 .	Plastic films

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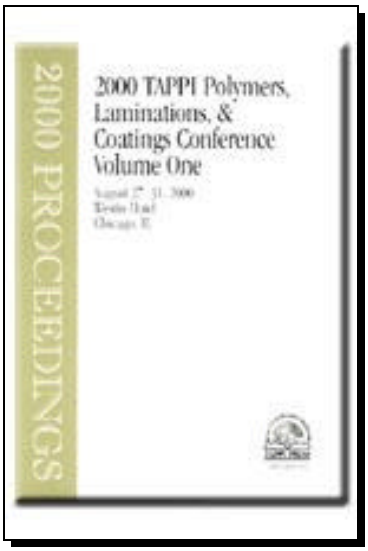
Title	Location	Edition / Series / Misc.

1298 **2000 TAPPI Polymers, Laminations & Coatings Conference Proceedings**

Author:
Publish.: TAPPI Press
- place:
- date: 2000
Subject: Plastic Films - Adhesives and Adhesion - Coating Processes -
Desc: 1420 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 898529700
Shelf

Edition:
Series:
Year: 2000
Price: $86.50



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Reviews - Synopsis - Dust Jacket

This TAPPI Polymers, Laminations & Coatings Conference was held August 27-31, 2000 in Chicago, IL. These proceedings contain 100 technical papers presented in 28 sessions at the conference. Orientation effects in blown film, extrusion coating specialty resins, polyethylene fundamentals, barrier properties of EVOH at low temperature, and cast vs. blown film properties are among the countless topics explored. A wealth of information — your technical library should include every year's proceedings!Target Audience: Technical personnel in a wide range of converting-related industries, including film extrusion, coating, laminating, flexible packaging, and printing; manufacturers of UV, waterborne, and solvent-based inks, coatings, and adhesives; and equipment specifiers concerned with these fields.

Subjects

235 .	Coating processes
301 .	Plastic films
606 .	Adhesives and Adhesion

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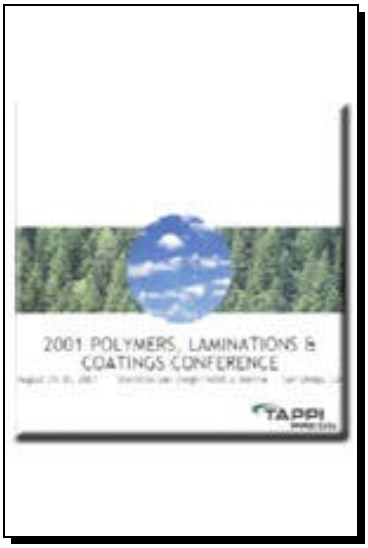
Title	Location	Edition / Series / Misc.

1367 **2001 TAPPI Polymers, Laminations & Coatings Conference Proceedings**

Author:
Publish.: TAPPI Press
- place:
- date: 2001
Subject: Plastic Films - Coating Processes - Converting Technology - Extrus
Desc: 0 p, CD-ROM

Dynix:
Call No.:
ISBN: 193065779
Shelf

Edition:
Series:
Year: 2001
Price: $41.50



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Reviews - Synopsis - Dust Jacket

This TAPPI Polymers, Laminations & Coatings Conference was held August 26-30, 2001 in San Diego, CA. This searchable CD-ROM contains the full text of more than 110 technical papers presented at the conference. Topics include extrusion basics, high performance extrusion coatings, film extrusion, flexible packaging, advances in barrier packaging, new materials in extrusion coating and film extrusion, the latest in extrusion and post-extrusion (including surface treatment) machinery, energy-curable adhesives, and styrenic materials. A wealth of information at a remarkable price — your technical library should include every year's proceedings!Target Audience: Technical personnel in a range of converting-related industries, including film extrusion, coating, laminating, flexible packaging, and printing; manufacturers of UV, waterborne, and solvent-based inks, coatings, and adhesives; and equipment specifiers concerned with these fields.

Subjects

235 .	Coating processes
301 .	Plastic films
620 .	Converting Technology

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Title	Location	Edition / Series / Misc.

1472 **2002 Troubleshooting Short Course for Extrusion Coating and Flexible Packaging Converters**

Author:
Publish.: TAPPI Press
- place:
- date: 2002
Subject: Converting Technology - Coating Processes - Extrusion - Packagin
Desc: 466 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1930657226
Shelf

Edition:
Series:
Year: 2002
Price: $68.50

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Dryer Systems
Primers for Extrusion Coating
Intro to Product Structures
Basic Polymer Science
Fundamentals of Polyethylene
Extrusion Coating Specialty Resins
Additives and Colors
Extruder Components
Screw Design Basics
Extrusion Coating Equipment Adapters, Feedblocks, and Dies
Laminator Section Operation and Design
Why Doesn't It Stick?
Tricks of the Trade (Processing Tips)
Troubleshooting Solvent & Solventless Adhesive Systems
Troubleshooting UV Curing Processes
EB Equipment and Applications

Subjects

235 .	Coating processes
598 .	Extrusion
620 .	Converting Technology

Reviews - Synopsis - Dust Jacket

This volume contains notes, papers, copies of slide presentations, and other helpful materials from the TAPPI short course on troubleshooting for extrusion coating and flexible packaging converters, which was held June 3-6, 2002 in Green Bay, WI. Spiral bound; somewhat rudimentary but filled with very useful practical information - a good value.Target Audience: Technicians, entry-level engineers, plant managers, supervisors, and maintenance and manufacturing personnel involved in the converting industry.

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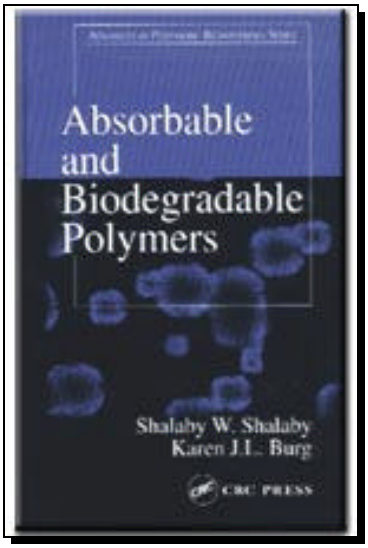
Title	Location	Edition / Series / Misc.

1526 **Absorbable and Biodegradable Polymers**

Author: Shalaby W. Shalaby and Karen J.L. Burg
Publish.: CRC Press
- place:
- date: 2003
Subject: Biopolymers and Medical Applications - Polymer Science
Desc: 296 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 849314844
Shelf

Edition:
Series:
Year: 2003
Price: $116.50



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Reviews - Synopsis - Dust Jacket

This book integrates recent developments in the understanding and use
of synthetic and natural polymers. It describes evolutionary materials
development, processing methods, characterization and evaluation
techniques, and applications — including those currently in use as well as
those which are emerging or alluring but not yet fully practical.Absorbable and Biodegradable Polymers
approaches to customizing fiber-forming materials for unique applications;
presents state-of-the-art methods and processes used to characterize
polymers and modulate their clinically relevant properties; reviews
compositions and applications for absorbable polymers, including tissue
engineering, adhesion, and drug delivery; and more.From the Preface: "...It is to be emphasized that the diverse to
presented in this book are integrated in such a fashion as to yield a
coherent source of diverse but interrelated information for use by
scientists, engineers, and clinicians who are interested in the use of
A/BP [absorbable/biodegradable polymers] in pharmaceutical and biomedical
applications. The clinical components of the book are prepared by
clinicians who are also well-versed scientists to maximize the
effectiveness of integrating clinical with preclinical information..."Target Audience: Biomedical and chemical enginee
polymer scientists
and researchers, and upper-level students interested in systems involving
absorbable and biodegradable polymers, especially for medical
applications.

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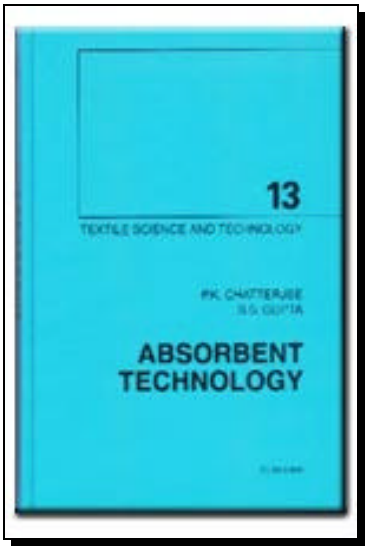
Title	Location	Edition / Series / Misc.

1544 **Absorbent Technology**

Author: P.K. Chatterjee and B.S. Gupta, eds.
Publish.: Elsevier
- place:
- date: 2002
Subject: Textiles and Nonwovens - Biopolymers and Medical Applications -
Desc: 498 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 444500006
Shelf

Edition:
Series:
Year: 2002
Price: $181.50



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Reviews - Synopsis - Dust Jacket

This monograph provides a focus on the theoretical aspects of absorbency, then applies those concepts to the structure, properties, and performance of absorbent materials. It provides the fundamental scientific and engineering information needed to develop and bring to market new and innovative absorbent materials and structures.
discusses all the aspects of absorbency that are essential to understanding the attributes of this class of materials and to the design of new products with unique characteristics. This is a thoroughly revised, updated, and expanded edition of
in 1985.From the Introduction: "...In this book, the term `absorbency' is described as an interdisciplinary scientific phenomenon that deals with the absorption of aqueous fluids by porous media, or more specifically, by fibrous and polymeric systems...Absorbency criteria are characterized by the mode and the extent of the transport of liquid into an absorbing material. Numerous attempts have been made to define and predict absorbency using many classical theories, dating back to the nineteenth century, as well as those developed more recently, i.e. within the last few decades. Unfortunately, none of those theories can be utilized to effectively elucidate the intricate mechanism that governs fluid absorption in products that are available..."Target Audience: Academic and industrial scientists and technologists engaged in research and development of absorbency and absorbent products.

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Acid-Base Interactions: Relevance to Adhesion Science and Technology

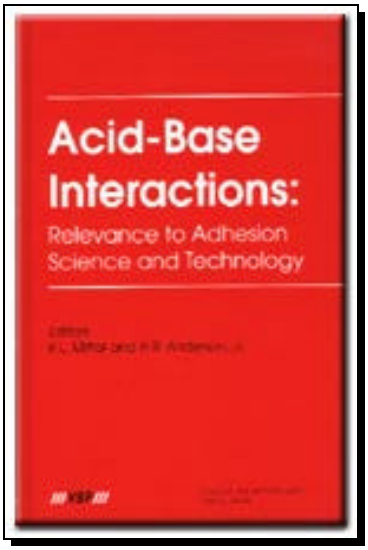
Title	Location	Edition / Series / Misc.

1398 **Acid-Base Interactions: Relevance to Adhesion Science and Technology**

Author: K.L. Mittal and H.R. Anderson, Jr., eds.
Publish.: VSP
- place:
- date: 1991
Subject: Adhesives and Adhesion - Interfacial Engineering and Surface
Desc: 400 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067641359
Shelf

Edition:
Series:
Year: 1991
Price: $103.50



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601 .	Polymer Surface Chemistry
606 .	Adhesives and Adhesion

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Quantum-Mechanical Approach to Understanding Acid—Base Interactions at Metal—Polymer Interfaces
The Use of Wetting Measurements in the Assessment of Acid—Base Interactions at Solid—Liquid Interfaces
Theory of the Acid—Base Hydrogen Bonding Interactions, Contact Angles, and the Hysteresis of Wetting: Application to Coal and Graphite SurfacesCharacterization of the Acid—Base Properti of Materials:Quantitative Characterization of the Acid—Base Properties of Solvents, Polymers, and Inorganic Surfaces
Characterization of the Acid—Base Nature of Metal Oxides by Adsorption of TCNQ
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Acid—Base Properties of Carbon and Graphite Fiber Surfaces
Acid—Base Character of Carbon Fiber Surfaces
Influence of Surface Chemistry and Surface Morphology on the Acid—Base Interaction Capacities of Glass Fibers and Silicas
A Method of Determining the Surface Acidity of Polymeric and Metallic Materials and its Application to Lap Shear AdhesionApplications of Acid—Base Interactions:
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Acid—Base Interactions in the Interpretation of Aramid Composite and Fabric Mechanics
Specific Interactions and their Effect on the Properties of Filled Polymers
Adhesion of Polyimides to Ceramic Substrates: Role of Acid—Base Interactions
The Influence of Surface Acidity and Basicity on Adhesion of Poly(ethylene co-acrylic acid) to Aluminum
The Effects of Filler/Polymer Acid—Base Interactions in Model Coating Systems
Effects of Oxygen and Ammonia Plasma Treatment on Polyphenylene Sulfide Thin Films and their Interaction with Epoxy Adhesive
The Effect of Donor—Acceptor Interactions on the Mechanical Properties of Wood
Acidic and Basic Nature of Ferric Oxide Surfaces: Adsorption, Adhesion, Zeta Potentials and Dispersibility in Magnetic Inks for Hard Disks

Reviews - Synopsis - Dust Jacket

This volume contains papers originally presented at the Symposium on Acid—Base Interactions: Relevance to Adhesion Science and Technology
Frederick M. Fowkes, as a part of the 64th Colloid and Surface Science Symposium at Lehigh University, June 18-20, 1990.From the Preface: "...When the idea of organizing a symposiu

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honor
of Dr. Fowkes was conceived, the question arose as to what should be the theme of the symposium as he had made significant contributions dealing with the many ramifications of interfacial science and technology. However, after some deliberation, it became clear that a most apposite topic would be `acid—base and adhesion', as in the last several years the leitmotif of Dr. Fowkes's research has been in the realm of acid—base interactions...[H]e had been a key protagonist of the concepts of acid—base interactions, had done a lot to popularize such concepts, and had shown how understanding of such interactions could be parlayed to control adhesion behavior in a given situation..."Target Audience: Academic or industrial scientists and technologist concerned with acid—base interactions and their effect on adhesion.

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Acid-Base Interactions: Relevance to Adhesion Science and Technology, Vol. 2

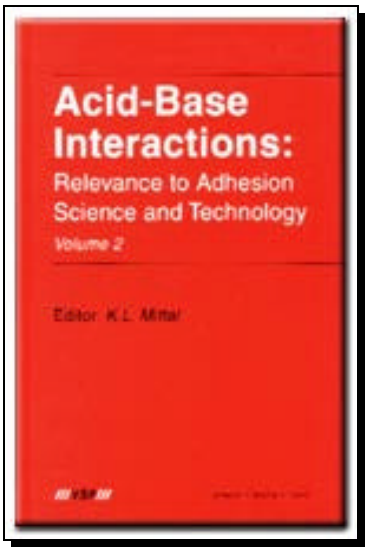
Title	Location	Edition / Series / Misc.

1388 **Acid-Base Interactions: Relevance to Adhesion Science and Technology, Vol. 2**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2000
Subject: Adhesives and Adhesion - Interfacial Engineering and Surface
Desc: 636 p, 6.6 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067643254
Shelf

Edition:
Series:
Year: 2000
Price: $176.50



Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
608 .	Surface Characterization and Analysis

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Reviews - Synopsis - Dust Jacket

The pursuit of understanding in acid—base adhesion theory continues to fuel research affecting disciplines as diverse as composites, coatings, polymer surface analysis and modification, and printing. This book documents the proceedings of the 2nd Acid—Base Interactions: Relevance to Adhesion Science and Technology held in Newark, NJ, October 19-21, 1998. The final technical program contained a total of 36 papers (32 are contained in this volume) by researchers and technologists from academia, industry, and other organizations.From the Preface: "...During the symposium it became amply clear that there were many putative approaches to acid—base characterization of materials but there was a lack of consistency in these approaches as, at times, it became quite patent that different approaches led to quite divergent results. Thus it was highlighted in this symposium that there was no ecumenical approach to acid—base characterization of materials..."Target Audience: Researchers, technologists, and students interested in the fields of adhesion science and technology, polymer surfaces, coatings, printing, and composites.Partial Table of Contents:
Fundamental Aspects of Acid—Base Interactions:
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Troubleshooting of Surface Free Energy Acid—Base Theory Applied to Solid Surfaces: The Case of Good, van Oss and Chaudhury Theory
Contact Anngle Measurements and Contact Angle Interpretation: Relevance to the Thermodynamics of Adhesion
On the Acid/Base Theory of Contact Angles
Acid—Base Interactions as the Driving Force for Both Hydrophobic Attraction and Hydrophilic Repulsion
Acid—Base Interactions on Surfaces of Wet and Dry Inorganic OxidesCharacterization of the Acid—Base Properties Materials:Characterisation of Acid—Base Properties of Polymer Surfaces by XPS
Surface Energy and Acid—Base Properties of Solids Studied by Immersion Calorimetry
Comparison of Two Procedures for Assessing the Acidity of Polymer Surfaces Graded in Acid Content
Assessment of Acid—Base Character of Polymer Surfaces from Contact Angle and Other Surface Chemical Data
Experimental Characterization of Hydroxyl Groups and Acid—Base Properties on Flat Oxide SurfacesApplications of Acid—Base Interactions:
Acid—Base Characteristics of Polymer Surfaces: Relevance to BioadhesionLaser Surface Modification of Ultra-High Strength Polyethylene Fibers:
Correlation Between Acid—Base Interactions and Adhesion to Epoxies
Effects of Acid—Base Interactions on Carbon/Polycarbonate Composite Interfacial Adhesion
Polymer Orientation at Solid Surfaces: Acid—Base Interaction Origins and Some Property Responses
Acid—Base Interactions in the Measurements of Surface Energies of Textile Fibers and Finish Liquids
Modifying Acid—Base Surface Chemistry on E-Glass Fibers by Acid Leaching Process

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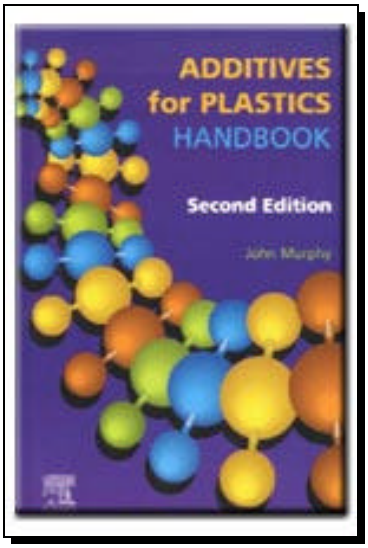
Title	Location	Edition / Series / Misc.

1381 **Additives for Plastics Handbook, 2nd Ed.**

Author: John Murphy
Publish.: Elsevier
- place:
- date: 2001
Subject: Additives - Recommend this Site
Desc: 494 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 1856173704
Shelf

Edition:
Series:
Year: 2001
Price: $155.00



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Reviews - Synopsis - Dust Jacket

This updated edition — which features new information on glass fiber and other reinforcing materials, carbon black and titanium dioxide, more efficient additive systems, and improved safety in use — follows the successful formula of its predecessor. The book begins with an overview of the field, describing additive types, technical trends, and market opportunities. This is followed by twenty comprehensive chapters, organized by the properties and applications of the various additives.Coverage includes additives designed to mod mechanical properties (reinforcements and fillers); appearance properties; processing characteristics (including curing and cross-linking agents, plasticizers, blowing agents, and surface modifiers); resistance to heat, light, and flammability; and other miscellaneous applications. The emphasis is on the technical aspects of each additive type, but the text is enhanced with notes on commercial background as well.
Handbook, 2nd Ed.
safety, and legislation and testing. Representative data sheets are included in the appendix which document all important mechanical, chemical, optical, and electrical properties for a large number of additive types.From the Preface: “Both technically and economically, additives form a large and increasingly significant part of the polymer industry, both plastics and elastomers. In the five years since the first edition of this handbook, there have been wide-ranging developments, covering the chemistry and formulation of new and more efficient additive systems and

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the safer use of additives, both by processors in the factory, and, in the wider field, as they affect the general public..."Target Audience: Manufacturers, compounders, specifiers, and user additives for plastics.

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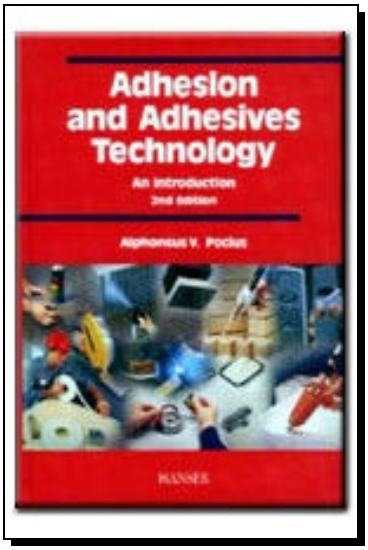
Title	Location	Edition / Series / Misc.

1043 **Adhesion and Adhesives Technology: An Introduction, 2nd Ed.**

Author: Alphonsus V. Pocius
Publish.: Hanser Gardner
- place:
- date: 2002
Subject: Adhesives and Adhesion - Polvmer Surface Chemistrv - Surface
Desc: 332 p, 6.5 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1569903190
Shelf

Edition:
Series:
Year: 2002
Price: $83.50



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606 .	Adhesives and Adhesion
608 .	Surface Characterization and Analysis

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The Surface Preparation of Adherends for Adhesive Bonding
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Reviews - Synopsis - Dust Jacket

The revised edition of this popular introductory text on adhesion science and adhesives technology focuses on the underlying fundamentals of three major disciplines comprising this field — adhesive bond mechanics, adhesives chemistry, and surface science. The book also includes many helpful practical suggestions about how measurements can be made, how surfaces can be modified or how adhesives can be formulated to lead to a useful result. The second edition adds a set of practical problems to most of the chapters.From the Preface: “Adhesion science is a multidisciplinary field which encompasses aspects of engineering as well as physical and organic chemistry. The broadness of the field is probably the reason that there have been so few books written on the subject by a single author. The books in this area have tended to be handbooks, treatises or other compilations by multiple authors. In this volume, I have attempted to provide a broad view of the field, but with a consistent style that leads the reader from one step to another in the understanding of the science...”Target Audience: Primarily entry-level students and practitioners of adhesives technology; also valuable as a practical reference for experienced adhesiologists.

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Adhesion and Bonding to Polyolefins (Rapra Review Report 143)

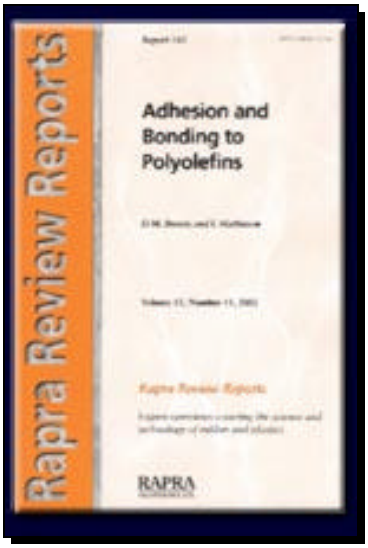
Title	Location	Edition / Series / Misc.

1555 **Adhesion and Bonding to Polyolefins (Rapra Review Report 143)**

Author: D.M. Brewis and I. Mathieson
Publish.: Rapra
- place:
- date: 2002
Subject: Polymer Surface Modification
Desc: 136 p., 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859573231
Shelf

Edition:
Series:
Year: 2002
Price: $123.50



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602 .	Polymer Surface Modification

Reviews - Synopsis - Dust Jacket

Polyolefins enjoy widespread use in today's world. Polyethylene is the most widely used plastic, and olefinic elas such as natural rubber and styrene-butadiene copolymers, predominate in many key components such as tires. M applications of polyolefins require good adhesion to other materials — examples include adhesive bonding, laminati painting, printing, coating, and metallizing. Unfortunately, the surface properties of polyolefins are not conducive to adhesion.

This review discusses a variety of adhesion promoting pretreatment methods (including corona, flame, and low pre plasma), and priming techniques such as the use of a chlorine donor for olefinic elastomers. The advantages and disadvantages of each method are investigated. It also addresses the analytical techniques used to characterize surfaces, including X-ray photoelectron spectroscopy (XPS), static secondary ion mass spectrometry (SSIMS), an Fourier transfer infrared spectroscopy (FTIR). A brief discussion of the theories of adhesion is included. This very recommended reference tool contains 403 abstracts from Rapra's Polymer Library database.

From the Introduction: "...Much research has been carried out on pretreatments for plastics where changes in surfa chemistry have been determined and in some cases related to adhesion performance. However, few such studies been carried out with elastomers partly because of the complexity of their formulations. Several compounding ingredients migrate to the surfaces of elastomers making it difficult to differentiate between changes to these additive and changes to the underlying polymer chains...This review explores the joining of polyolefins to a variety of subs especially by means of adhesive bonding and the coating of polyolefins with printing inks, paints and metals..."

Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, fron Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researc working with rubber or plastics materials.

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Target Audience: Any reader in industry or academia who is concerned with adhesion and bonding to polyolefins, i
in practical situations and in the laboratory.

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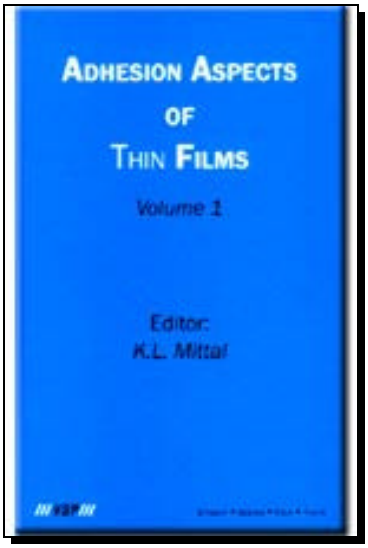
Title	Location	Edition / Series / Misc.

1382 **Adhesion Aspects of Thin Films, Vol. 1**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2001
Subject: Adhesives and Adhesion - Coating Processes - Materials Science -
Desc: 280 p, 6.2 x 9.4 Paperback

Dynix:
Call No.:
ISBN: 9067643386
Shelf

Edition:
Series:
Year: 2001
Price: $96.50



Subjects

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Delamination of Thin Hard Coatings Induced by Combined Residual Stress and Topography
Effects of Surface Treatments on the Adhesion of Metallic Films to Ceramic Substrates
The State-of-the-Art in Adhesion of CVD Diamond to Carbide Cutting Inserts
Adhesion Improvement of Diamond Films to Silicon Nitride Substrate for Cutting Tools
Quantifying the Effect of Carbon on the Practical Adhesion of Aluminum Films to Sapphire Substrates
The Effect of a Titanium-Based Interlayer on the Adhesion of Ceramic Coatings
Effect of Annealing on Residual Stress, Strength, Adhesion and Wear Resistance of Thin, Hard Coatings on Low Alloy Steel
Study of Adhesion and Tribological Properties of Some Ceramic Films
Properties of Oxide Coatings Deposited on a Plastic Substrate by a Successive Pulsed Plasma Anodisation Process
Practical Adhesion of Organic Coatings to Metals: The Role of the Interphase and Its Residual Stresses
Epoxy-Diamine Adhesives on Metals: The Interphase Formation and Characterization
Improving the Adhesion of Plasma Polymerized Thin Fluorocarbon Films on Silicon using (CHF
Pretreatments

Reviews - Synopsis - Dust Jacket

Thin films and coatings are used for a variety of purposes — decorative, protective, functional, etc. — over a broad spectrum of applications. Irrespective of the intended function, adequate adhesion to the underlying substrate is of cardinal importance. Adhesion of films and coatings is dictated by a legion of factors, from substrate attributes such as surface energetics, topography, and pretreatment; to mode of deposition and deposition parameters and their thickness; and mechanical properties, including internal stresses in the film or coating.

Adhesion Aspects of Thin Films, Volume 1The papers contained in this volume were originally presented at the First International Symposium on Adhesion Aspects of Thin Films, held under the auspices of MST Conferences in Newark, NJ, October 28-29, 1999.

Most of the papers deal with films, but a few dealing with coatings, i.e. relatively thick films, are also included.From the Preface: "...Even a cursory look at the literature will evince that there has been tremendous interest and brisk activity in understanding and tailoring adhesion of films and coatings, so we decided this symposium was both opportune and needed. This symposium was planned with the following objectives in mind: (i) to bring together the community interested in this topic, (ii) to provide a forum for discussion of latest developments, (iii) to provide an opportunity for cross-pollination of

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ideas; and (iv) to identify areas which offered good promise and warranted vigorous pursuit..."Target Audience: Any researcher, technologist, or student interested in the adhesion of thin films and coatings.

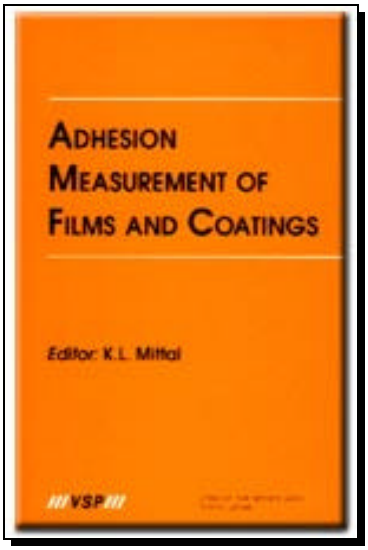
Title	Location	Edition / Series / Misc.

1394 **Adhesion Measurement of Films and Coatings**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 1995
Subject: Adhesives and Adhesion - Coating Processes - Inks and Coatings -
Desc: 466 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067641820
Shelf

Edition:
Series:
Year: 1995
Price: $116.50



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603 .	Inks and Coatings
606 .	Adhesives and Adhesion

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Reviews - Synopsis - Dust Jacket

The 28 papers in this volume were originally presented at the International Symposium on Adhesion Measurements of Films and Coatings
from overview papers to detailed reports of original research activity.From the Preface: "...Recently I had the occa sift the
literature and compile the list of adhesion measurement techniques and, you may believe it or not, the final score came to 355 (quite a stupendous number), which are listed in the opening paper of this book...[S]ome of these techniques sound uncouth, primitive and plainly humorous. In spite of this cornucopia of techniques, no single technique has been acceptable to everyone or applicable to all coating—substrate combinations; and this has been the cause for the proliferation of techniques for adhesion measurement. Also there has been perennial discordance among the people working in this arena as to what exactly is measured when someone uses one of these techniques to measure adhesion..."Target Audience: Researchers, technologists, and students interested i measuring adhesion of films and coatings.Partial Table of Contents:Adhesion Measurement of Films and Coatings: Commentary
Adherence Failure and Measurement: Some Troubling Questions
Measurement of Adhesion for Thermally Sprayed Materials
Adhesion Measurement of Thin Film Metals by Scratch, Peel and Pull Methods
Adhesion Improvement of RF-Sputtered Alumina Coatings as Determined by the Scratch Test
Scratch Indentation, a Simple Adhesion Test Method for Thin Films on Polymeric Supports
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Micro-Scratch Test for Adhesion Evaluation of Thin Films
Mechanics of the Indentation Test and Its Use to Assess the Adhesion of Polymeric Coatings
Observations and Simple Fracture Mechanics Analysis of Indentation Fracture Delamination of TiN Films on Silicon
A Study of the Fracture Efficiency Parameter of Blister Tests for Films and Coatings
Adhesion (Fracture Energy) of Electropolymerized Poly(n-octyl maleinide-co-styrene) Coatings on Copper Substrates Using a Constrained Blister Test
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Comparison of Finite Element Stress Analysis Results with Peel Strength at the Copper—Polyimide Interface
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Measurement of the Adhesion of Diamond Films on Tungsten and Correlations with Processing Parameters
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Adhesion Studies of Polyimide Films Using a Surface Acoustic Wave

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Sensor
Testing the Adhesion of Paint Films to Metals by Swelling in N-methyl Pyrrolidone

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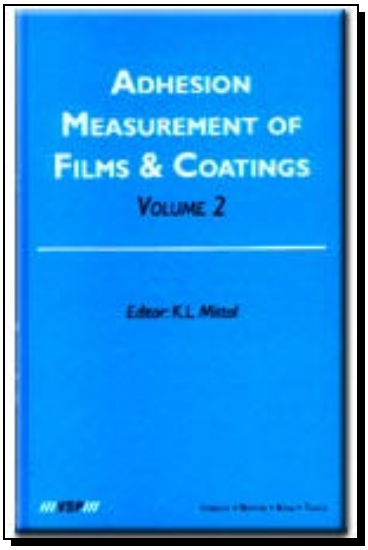
Title	Location	Edition / Series / Misc.

1383 **Adhesion Measurement of Films and Coatings, Vol. 2**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2001
Subject: Adhesives and Adhesion - Materials Science - Paints and Protective
Desc: 364 p, 6.2 x 9.4 Paperback

Dynix:
Call No.:
ISBN: 9067643378
Shelf

Edition:
Series:
Year: 2001
Price: $98.50



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606 .	Adhesives and Adhesion
609 .	Materials Science
617 .	Paints and Protective Coatings

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Interface Adhesion: Measurement and Analysis
Relative Adhesion Measurement for Thin Film Microelectronic Structures, Part II
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Scratch Adhesion Testing of Coated Surfaces — Challenges and New Directions
Can the Scratch Adhesion Test Ever Be Quantitative?
Characterisation of Thin Film Adhesion with the Nano-Scratch-Tester (NST)
Scratch Adhesion Testing of Nanophase Diamond Coatings on Industrial Substrates
Scratch Test Failure Modes and Performance of Organic Coatings for Marine Application
An Energetic Approach for the Evaluation of Adhesion of Sputter Deposited TiC Films on Glass by the Scratch Test
On the Evaluation of Coating—Substrate Adhesion by Indentation Experiments
Measurement of Interfacial Fracture Energy in Microelectronic Multifilm Applications
Assessment of Adhesion Reliability for Plastic Flip-Chip Packaging
Adhesion and Abrasion of Sputter-Deposited Ceramic Thin Films on Glass
Improvement and Testing of Diamond Film Adhesion
Effect of Primer Curing Conditions on Basecoat—Primer Adhesion — A LIDS Study
Evaluation of a Pulsed Laser Technique for the Estimation of the Adhesion Strength of Oxide Coatings onto Metallic Substrates
The Blade Adhesion Test Applied to Polyimide Films onto Silicon Substrate
Mechanics of the JKR (Johnson-Kendall-Roberts) Adhesion Test
Revisiting Bimaterial Curvature Measurements for DTE of Adhesive
Raman Spectroscopic Determination of Residual Stresses in Diamond Films

Reviews - Synopsis - Dust Jacket

Films and coatings are used for a variety of purposes in myriad applications. Regardless of their end use, adequate adhesion to the underlying substrate is of paramount importance. Concomitantly, the need to develop techniques for quantitative assessment of adhesion of thin films and coatings is apparent. The papers in this volume address these issues; they were originally presented at the Second International Symposium on
the auspices of MST Conferences in Newark, NJ, October 25-27, 1999.From the Preface: "...Since the Boston Symposium in 1992 there has been
considerable activity in devising new, more reliable and more efficient ways to measure adhesion on films and coatings. In the opening article in the proceedings volume of the Boston Symposium, yours truly had listed 355 techniques for measuring adhesion of films and coatings. Why are there so many techniques? Apparently, there is no single technique which will apply in every situation or which everyone will be happy with. A more important question is: What do these techniques measure? And the answer is:

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Practical Adhesion. Quite often the question asked is: What is the best method for adhesion measurement? And the answer is: The best method is the one that simulates the actual usage stress conditions as closely as possible..."Target Audience: Any researcher, technologist, or student working in the area of adhesion measurement of thin films and coatings.

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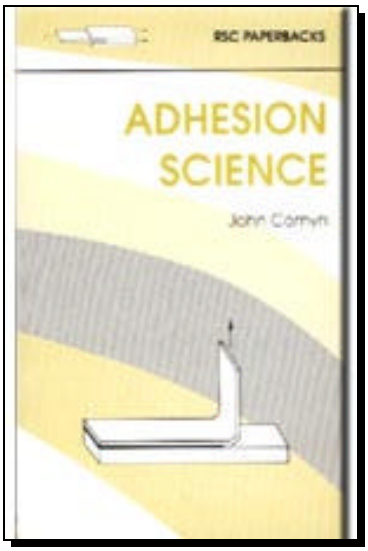
Title	Location	Edition / Series / Misc.

1215 **Adhesion Science**

Author: John Comyn
Publish.: Royal Society of Chemistry
- place:
- date: 1997
Subject: Adhesives and Adhesion - Interfacial Engineering and Surface
Desc: 160 p, 5.5 x 8.5 Paperback

Dynix:
Call No.:
ISBN: 854045430
Shelf

Edition:
Series:
Year: 1997
Price: $38.50



Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
614 .	Wear, Weathering, and Tribology

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Introduction to Adhesion and Adhesives
Surface Treatment for Adhesion, and for Abhesion
Primers and Coupling Agents
Chemistry of Adhesives
Chemistry of Adhesives which Harden without Chemical Reaction
Contact Angles in the Study of Adhesion
Strength of Adhesive Joints
Adhesive Joints and the Environment
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Reviews - Synopsis - Dust Jacket

This comprehensive introduction discusses the basic polymer science of adhesives, the chemistry of commercially-available adhesives, surface preparation for adhesive bonding, the use of primers and coupling agents, and more. A simple guide on stress distributions in joints and how this relates to testing is included. There is a detailed chapter on contact angles and their interpretation, as well as an examination of the interaction of adhesives and the environment, including an analysis of the resistance of joints to water, oxygen, and ultraviolet light.From the Preface: “The use of adhesives is widespread a growing, and there are few modern artefacts, from the simple cereal box to the magnificent Boeing 747, that are without this means of joining. This book sets out to explain the principles which underlie adhesive bonding, and other adhesion technologies such as sealing, printing, and painting...As is appropriate for an introductory book, it is not fully referenced but has a recommended reading list...”Target Audience: Chemists and students concerned with adhesives, adhesion, and surface preparation and analysis.

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Adhesion Science and Engineering: Vol. 1 - The Mechanics of Adhesion; Vol. 2 - Surfaces, Chemistry and Applications

Title	Location	Edition / Series / Misc.

1511 **Adhesion Science and Engineering: Vol. 1 - The Mechanics of Adhesion; Vol. 2 - Surfaces, Ch**

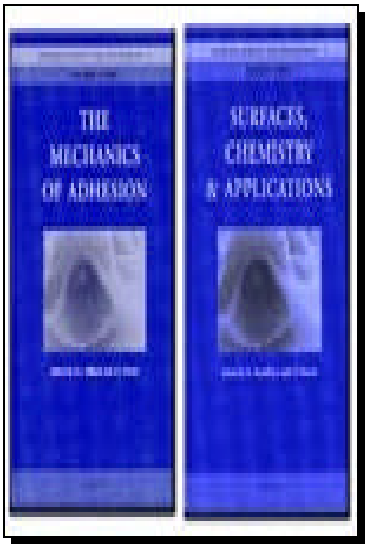
Edition:

Author:
Publish.: Elsevier
- place:
- date: 2002
Subject: Adhesives and Adhesion - Recommend this Site
Desc: 2020 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 444511407
Shelf

Series:

Year: 2002
Price: $418.50



Subjects

606 .	Adhesives and Adhesion
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Volume 1 — The Mechanics of Adhesion:
Fundamentals of Stress Transfer in Bonded Systems
Fracture Mechanics and Singularities in Bonded Systems
Energy Analysis of Adhesion
Strength of Lap Shear Joints
Strength of Butt and Sharp-Cornered Joints
Mechanical Testing of Adhesive Joints
Measurement and Analysis of the Fracture Properties of Adhesive Joints
The Mechanics of Peel Tests
The Mechanics of Coatings
Stresses and Fracture of Elastomeric Bonds
Crack Path Selection in Adhesively Bonded Joints
Rheology for Adhesion Science and Technology
Effect of Rheology on PSA Performance
Tack
Contact Mechanics
Measurement Methods for Fiber-Matrix Adhesion in Composite Materials
The Durability of Adhesive Joints
Ultrasonic Inspection of Adhesive Bonds
The Design of Adhesively Bonded Joints
IndexVolume 2 — Surfaces, Chemistry and Applications:Surface Science:
Semi-Emperical Strategies for Predicting Adhesion
Direct Estimation of the Adhesion of Solid Polymers
Particle Adhesion
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Micro-Mechanical Processes in Adhesion and Fracture
Surface Analysis in Adhesion Science
Surface Roughness and Adhesion
Diffusion and Autohesion
Coupling Agents: Chemical Bonding at Interfaces
Priming to Improve AdhesionChemistry:
Pressure Sensitive Adhesives
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Rubber Base Adhesives
Fundamental Aspects of Adhesion Technology in Silicones
Hot Melt Adhesives
Chemistry and Technology of Polyurethane Adhesives
The Chemistry of Bis-Maleimides Used in Adhesives
Structural Acrylics
Cyanoacrylate Instant Adhesives
Phenolic Resins: Some Chemistry, Technology and HistoryApplications:
Surface Treatments of Metal Adherends
Electron Beam Processed Adhesives and Their Use in Composite Repair
Wood Adhesives
Tissue Adhesives and Hemostats: New Tools for the Surgeon
Applications of Adhesives in Aerospace
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Reviews - Synopsis - Dust Jacket

In recent years there has been an explosion of interest in the science

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of adhesion. Of an originally industrial heritage, the study of adhesion has drawn together researchers from many otherwise disparate scientific disciplines, yielding an increasing knowledge of how a variety of underlying phenomena interact to affect the end result. The intention of these books is to provide an updated view of the state of the art of adhesion science and to fill in the gap in the compilation of knowledge related to adhesion science.This set of two volumes describes adhesion science from three fundamental perspectives: mechanics, surfaces, and chemistry. Volume 1 focuses attention on the contribution of mechanical principles and solutions to understanding the design, fabrication, analysis, and testing of adhesive bonds. It also offers a comprehensive overview of the current undrestanding of stresses, deformation, and fracture parameters associated with a range of adhesive bonds. Volume 2 deals with the other two disciplines that make up adhesion science — surface and chemistry. In addition, the second volume describes several applications of adhesion science and engineering. A comprehensive and valuable resource.From the Preface: “Adhesion science and techı is inherently as interdisciplinary field, requiring fundamental understanding of mechanics, surfaces, and materials, the topics emphasized in this and EngineeringTarget Audience: Researchers, engineers, technologists, materials scientists, academicians, and upper-level students who are concerned with adhesion science and engineering.

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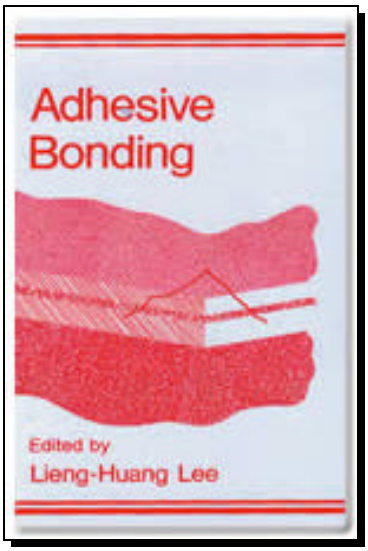
Title	Location	Edition / Series / Misc.

1010 **Adhesive Bonding**

Author: Lieng-Huang Lee, ed.
Publish.: Plenum Press
- place:
- date: 1991
Subject: Adhesives and Adhesion - Polvmer Surface Modification - Surface
Desc: 496 p, 6.5 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 306434717
Shelf

Edition:
Series:
Year: 1991
Price: $188.50



Subjects

602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion
608 .	Surface Characterization and Analysis

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Recent Studies in Polymer Adhesion Mechanisms
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Extensional Rheometry of Polymer Melts
Dynamic Mechanical Properties of Pressure-Sensitive Adhesives
Characterization of Surfaces
Surface Characterization in Polymer/Metal Adhesion
Adherend Surface Preparation for Structural Adhesive Bonding
Durability Evaluation of Adhesive Bonded Structures
Testing Structural Adhesives for Properties Necessary for Stress
Analysis
Adherence and Fracture Mechanics
Generalized Fracture Mechanics Approach to Adhesion
Finite-Element Analysis of Adhesive Joints
Fracto-Emission from Adhesive Failure
Ultrasonic Nondestructive Evaluation Technology for Adhesive Bond and
Composite Material Inspection
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3019.html">Fundamentals
of Adhesion
title.

Reviews - Synopsis - Dust Jacket

This informative text discusses theoretical and practical aspects of polymeric bond-forming and bond-breaking. It explains how to determine adhesive bond durability by analyzing test results, and discusses adhesives rheology, new ways to characterize adherends and related interfaces, surface preparation, and the physics of fracture.From the Preface: "...In this volume, we are interested ir bond-forming and bond-breaking processes. Since polymeric adhesives will be at the center of our discussions, we need to know their physical properties as well as their related measurements. After we apply an adhesive to an adherend, we must understand how to determine bond strengths. With data on hand, we should also learn how to analyze the test results and make certain predictions about the durability of adhesive bonds..."Target Audience: All technologists, researchers and product developers concerned with adhesive bonding, and students interested in this subject and its many applications.

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Title	Location	Edition / Series / Misc.

1466 **Adhesive Joints: Formation, Characteristics and Testing, Vol. 2**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2002
Subject: Adhesives and Adhesion - Recommend this Site
Desc: 408 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067643718
Shelf

Edition:
Series:
Year: 2002
Price: $176.50

Subjects

606 .	Adhesives and Adhesion
715 .	Recommend this Site

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General Topics:
Molecular Brush Concepts in Surface Engineering of Polymers for Enhanced Adhesion of Adhesives and Polymeric Coatings
Fracture of Polymer Interfaces: Interfacial Structure and Crack Tip Plasticity
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Photocuring Induced Adhesion Evolution in Marine Environments
A New Class of Adhesion Promoters for Addition Curable Silicone Adhesives
Contamination Insensitive UV Curable Adhesives
X-Ray Diffraction Investigation on the Fatigue Behavior of a Transversely Loaded Carbon Fiber Reinforced CompositeEvaluation, Analysis and Testing:
Ultrasonic Evaluation of Adhesive Joints: An Overview
Interpreting Adhesive Joint Tests
Structural Bonded Joint Analysis: An Overview
A Rational Adhesive Joint Strength Analysis by Non-Linear Fracture Mechanics
Effect of Geometrical Non-Linearity on the Stress and Deformation of States of Adhesive Joints
Three-Dimensional Finite Element Analysis of Stress Response in Adhesive Scarf Joints Subjected to Impact Tensile Loads
Axisymmetric Stress Analysis and Strength of Bonded Shrink-Fitted Joints Subjected to Push-Off Forces and Torsional LoadsDurability Aspects:
Durability of a Thermoplastic Adhesive Bonded Polymeric Composite/Galvanized Steel Joint
Strength and Durability of Adhesively Repaired and Bonded Joints
Durability of Structural Adhesives and their Bonded Joints for High Speed Aerospace Applications
Ultrasonic Characterization of Accelerated Environmental Degradation of Adhesively Bonded Joints
Aging Effects of Environmentally-Friendly Cleaners on Adhesive Bond Integrity
Moisture Effects on Adhesively Bonded Tubular Single Lap Joints
Monitoring the Solvent Uptake in Adhesive Joints Using a Novel Non-Destructive Technique by Applying High Frequency Dielectrics

Reviews - Synopsis - Dust Jacket

This volume documents the proceedings of the Symposium on Adhesive Joints: Formation, Characteristics and Testing held in Newark, NJ May 22-24, 2000. Since the first symposium, held in 1982, there has been tremendous research activity devoted to various aspects of adhesive joints. The book represents a commentary on the current research and development activity in this arena.From the Preface: "...Similar or dissimilar materials are joir together for various purposes and by various means (e.g., riveting, bolting, welding, brazing) but bonding them using adhesives offers many advantages vis-a-vis other methods. There is a legion of applications (ranging from aerospace to surgery) where adhesives are used to join different materials. So the need to better understand the behavior of adhesively bonded joints is quite patent..."Target Audience: Researchers, scientists, engineers, designers, and

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upper level students who are interested in adhesive joints.

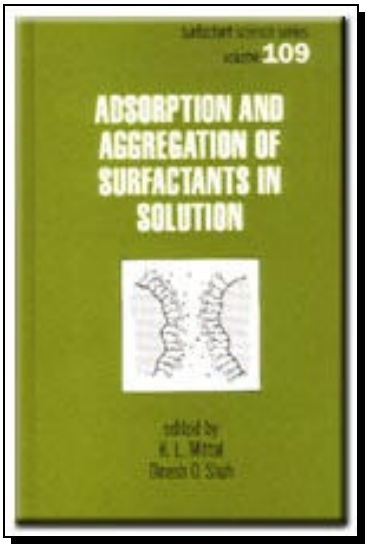
Title	Location	Edition / Series / Misc.

1454 **Adsorption and Aggregation of Surfactants in Solution**

Author: K.L. Mittal and Dinesh O. Shah, eds.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Solubility and Surfactants - Recommend this Site
Desc: 712 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824708431
Shelf

Edition:
Series:
Year: 2003
Price: $195.00



Subjects

605 .	Solubility and Surfactants
715 .	Recommend this Site

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Highlights of Research on Molecular Interactions at Interfaces from the University of Florida
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Aggregation Behavior of Dimeric and Gemini Surfactants in Solution: Raman, Selective Decoupling
Snared by Trapping: Chemical Explorations of Interfacial Compositions of Cationic Micelles
Effects of Surfactants on Pregastric Enzyme — Catalyzed Hydrolysis of Triacylglycerols and Esters
Effect of Benzyl Alcohol on the Properties of CTAB/KBr Micellar SystemsVesicle Formation by Chemical Reactions
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Microemulsion-Based Viscosity Index Improvers
Foams, Foam Films, and Monolayers
Role of Entry Barriers in Foam Destruction by Oil Drops
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Nano-Emulsions: Formation, Properties, and Applications
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Reviews - Synopsis - Dust Jacket

This reference investigates the role and dynamics of surfactants and their solution properties in the formulation of paints, printing inks, paper coatings, pharmaceuticals, personal care products, cosmetics, liquid detergents, and lubricants. It describes methods to solve problems of reactant incompatibility; model and control the mechanisms of gas—liquid, liquid—liquid, and solid—liquid systems; and improve emulsion stability against sedimentation, flocculation, Ostwald ripening, coalescence, and phase inversion.Adsorption and Aggregation of Surfactants in Solution explores the relationship between surfactant chemical composition and aggregate shape; the properties, structures, and forces affecting suspensions, emulsions, and foams; the adsorption of surfactants and polymers at various interfaces; the effect of surface charge on micellar structure; the effect of additives on micellar size and shape; and much more.From the Preface: “This volume embodies, in part, the proceedings of the 13th International Symposium on Surfactants in Solution (SIS) held in Gainesville, Florida, June 11-16, 2000...As surfactants play an important role in many and diverse technologies, ranging from high-tech (microelectronics) to low-tech (washing clothes) applications, an understanding of their behavior in solution is of paramount importance. Also, as we learn more about surfactants and devise new surfactant formulations, novel and exciting applications will emerge...”Target Audience: Physical, analytical, surface, colloid, polymer, and medicinal chemists and biochemists; chemical technologists working in the paint, pigment, paper, textile, detergent, and cosmetic industries; environmental scientists; toxicologists; microbiologists; food scientists; and upper-level students in these disciplines.

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Adsorption and Nanostructures (Progress in Colloid and Polymer Science, Vol. 117)

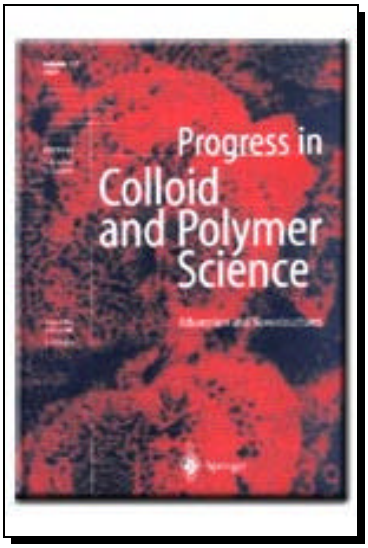
Title	Location	Edition / Series / Misc.

1431 **Adsorption and Nanostructures (Progress in Colloid and Polymer Science, Vol. 117)**

Author: Imre Dekany, ed.
Publish.: Springer
- place:
- date: 2002
Subject: Polymer Science - Colloids and Emulsions
Desc: 234 p, 8.2 x 10.8 Hardcover

Dynix:
Call No.:
ISBN: 3540419462
Shelf

Edition:
Series:
Year: 2002
Price: $128.50



Subjects

610 .	Polymer Science
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

This volume consists of 39 papers originally presented at the Third International Conference of the Kolloid-Gesellschaft (Germany), which was held in Budapest in September 2000; the conference was jointly organized with the Colloid Committee of the Hungarian Academy of Sciences. While the focus is on adsorption of solutions on solid surfaces, the utilization of various different experimental methods are described. There are discussions of the preparation and characterization of nanoparticles and nanocomposites; environmental aspects of adsorption; the properties of dispersions and microemulsions; current results in interfacial phenomena and modern colloid science; and more.From the Preface: "...The subject of this cooperation is related to two fundamental topics of colloid science: adsorption and nanstructured materials. The lectures and posters in this conference were, therefore, related to dispersions, nanoparticles, nanocomposites, adsorption processes, microemulsions, and environmental aspects..."Target Audience: Scientists, technologists and research academia
or industry who are concerned with adsorption and nanostructures.Brief Table of Contents:Adsorption at Solid/Liquic Interfaces
Nanostructured Materials
Surfactants, Polymers
Dispersions
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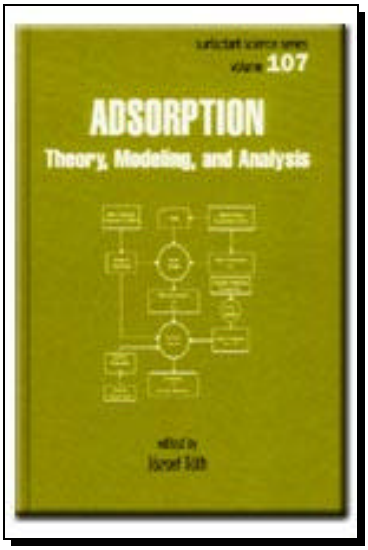
Title	Location	Edition / Series / Misc.

1415 **Adsorption: Theory, Modeling, and Analysis**

Author: Jozsef Toth, ed.
Publish.: Marcel Dekker
- place:
- date: 2002
Subject: Interfacial Engineering and Surface Science - Biopolymers and
Desc: 890 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824707478
Shelf

Edition:
Series:
Year: 2002
Price: $213.50



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis
622 .	Biopolymers and Medical Applications

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Irreversible Adsorption of Particles
Multicomponent Adsorption: Principles and Models
Rare-Gas Adsorption
Ab Fine Problems in Physical Chemistry and the Analysis of Adsorption—Desorption Kinetics
Stochastic Modeling of Adsorption Kinetics
Adsorption from Liquid Mixtures on Solid Surfaces
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Reviews - Synopsis - Dust Jacket

This in-depth reference offers an overview of the recent theoretical and practical results achieved in gas—solid (G/S), liquid—solid (L/S), and gas—liquid (G/L) adsorption research. It emphasizes the interpretation and application of various hypotheses to provide mathematically and thermodynamically accurate assessments, exploring simple adsorption processes and complicated self-assembly phenomena.Adsorption adsorption in the measurement of a G/L, G/S, or L/S isotherm; discusses the structure of an adsorbed layer, changes in free energy of surfaces, recent advances in rare-gas adsorption, supercritical region isotherms, hydrophobic solid—water interfaces, and more.From the Preface: “This book presents some apparent divergences is, content branches off in many directions. This fact is reflected in the titles of the chapters and the methods applied in discussing the problems of physical adsorption. It is not accidental. I aimed to prove that the problems of physical adsorption, in spite of the ramified research fields, have similar or identical roots. These statements mean that this book is 1) diverse, but still unified, and 2) classical, but still modern...”Target Audience: Physical, analytical, surface, collo organic, polymer, oil, and medicinal chemists and biochemists; chemical and manufacturing engineers in the paint, pigment, paper, textile, detergent, and cosmetic industries; environmental scientists; toxicologists; microbiologists; industrial and research pharmacists; food scientists; and upper-level students concerned with adsorption.

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Title	Location	Edition / Series / Misc.
1241 **Advanced Cleaning Product Formulations, Vol. 5**		*Edition:*
Author: E.W. Flick	*Dynix:*	*Series:*
Publish.: Noyes Publications	*Call No.:*	
- place:	*ISBN:* 81551431	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Solubility and Surfactants - General Reference		*Price:* $78.50
Desc: 254 p, 6 x 9 Hardcover		

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Dairy, Food and General Industrial Cleaners
Degreasers
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Oven, Grill, and Hot Plate Cleaners
Polishes, Coatings, and Finishes
Rinse Aids
Rug, Floor, Carpet, Upholstery Shampoos and Cleaners
Miscellaneous
Auto Cleaners and Polishes
Car and Truck Wash Compounds
Whitewall Tire Cleaners
Miscellaneous Transportation Cleaners and Polishes
Trademarked Raw Materials
Suppliers' Addresses

Subjects

604 .	General Reference
605 .	Solubility and Surfactants

Reviews - Synopsis - Dust Jacket

This book presents over 400 manufacturers' suggested formulations which are intended to meet rigorous performance criteria. Cleaning products for industrial, household, and automotive applications are featured — all formulations are new to this volume. Each formulation lists information such as end-use markets, raw material percentage by weight or volume, key properties, source of the formula, and more.From the Preface: "...The data represent selections made at no cost to, nor influence from, the makers or distributors of these materials. Only the most recent formulas have been included...Formulation in the cleaning product industry has gradually been undergoing significant change during the past years. Raw materials costs have risen and manufacturers have been reluctant to pass along these increases. Environmental considerations have also played a part. By changing formulations to improve cost/performance characteristics, manufacturers have been able to control costs but still enhance performance. This book presents manufacturers' suggested formulations which meet new performance criteria..."Target Audience: Technical and managerial personnel in clear product manufacturing companies and firms which supply raw materials or services to these companies.

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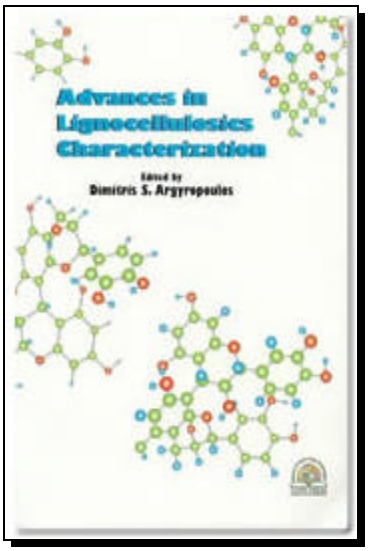
Advances in Lignocellulosics Characterization

Title	Location	Edition / Series / Misc.
1194 **Advances in Lignocellulosics Characterization**		*Edition:*
Author: Dimitris S. Argyropoulos, ed.	*Dynix:*	*Series:*
Publish.: TAPPI Press	*Call No.:*	
- place:	*ISBN:* 898523575	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Paper and Paperboard - Colloids and Emulsions - QA/QC. Statistics		*Price:* $131.50
Desc: 390 p, 7 x 10 Paperback		



Subjects

607 .	QA/QC, Statistics, and Testing
615 .	Paper and Paperboard
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

This book presents the work of numerous scientists from around the world, who describe recent advances in the field of lignocellulosics characterization. The book details developments in spectroscopic, chromatographic, and microscopic techniques that illuminate new levels of structural awareness. Selected figures are printed in full color to improve clarity and enhance understanding of the complex information generated by the various spectroscopic techniques.From the Preface: "...In November 1997, a symposium that wa in
Cancun, Mexico...focused on considerable advances in the area of lignocellulosics characterization. Advances in instrumentation coupled with novel ways to probe the structure of lignocellulosic substrates were described. Spectroscopic, chromatographic and microscopic techniques applied on lignin, on cellulose on paper and wood were shown to offer new levels of structural awareness. This valuable information is now compiled inTarget Audience: Scientists, technologists, and upper-level students concerned with the characterization of lignins and cellulose.

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Title	Location	Edition / Series / Misc.

1025 **Advances in Pressure Sensitive Adhesive Technology 1**

Author:
Publish.: Satas & Associates
- place:
- date: 1992
Subject: Adhesives and Adhesion - Coating Processes
Desc: 229 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1992
Price: $65.00

Subjects

235 .	Coating processes
606 .	Adhesives and Adhesion

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Crosslinking
Chemistry and Technology of Radiation Curable Release Coatings
Radiation Curable Pressure Sensitive Adhesives
Fracture Energy and Tack of Pressure Sensitive Adhesives
Rheological Modeling
Dynamic Mechanical Properties and Adhesive Performance
Label Stock
Coating and Drying
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3051.html">Advances in
Pressure Sensitive Adhesive Technology, Volume 2
in Pressure Sensitive Adhesive Technology, Volume 1
volumes to this title.

Reviews - Synopsis - Dust Jacket

The chapters in this book cover a wide and diverse range of topics,
providing a detailed discussion of each.From the Preface: "...The purpose of this volume and for that matter of
most technical books, is not to present anything new to the profession,
but to provide a comprehensive overview of various areas. The material
presented in this book has been published before in various periodicals or
presented at various meetings. Such presentations, however, are scattered
throughout many publications, contain considerable amount of repitition
and also some material of temporary interest only. We hope the overview
chapters as presented in this book will help the busy engineer or
scientist to gain quickly the knowledge he is seeking..."Target Audience: Highly recommended for all professionals especially
researchers, using or formulating pressure sensitive adhesives.

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Advances in Pressure Sensitive Adhesive Technology 2

Title	Location	Edition / Series / Misc.
1026 **Advances in Pressure Sensitive Adhesive Technology 2**		*Edition:*
Author: Donatas Satas, ed.	*Dynix:*	*Series:*
Publish.: Satas & Associates	*Call No.:*	
- place:	*ISBN:* 963799312	
- date: 1995	*Shelf*	*Year:* 1995
Subject: Adhesives and Adhesion - Biopolymers and Medical Applications		*Price:* $65.00
Desc: 230 p, 6 x 9 Hardcover		

Subjects

606 .	Adhesives and Adhesion
622 .	Biopolymers and Medical Applications

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Tack in Adhesive Bond Making
Rheology of Pressure Sensitive Adhesives
Application of Dielectric Analysis in the Design of Delayed Action Heat Seal and Pressure Sensitive Adhesives
Mechanical Property—Performance Relations of Acrylic Pressure Sensitive Adhesives
The Use of Amorphous Polyalphaolefins in the Formulation of Hot Melt Pressure Sensitive Adhesives
Silicone Pressure Sensitive Adhesives for Healthcare Applications
Wound Dressings
Repulpable Pressure Sensitive Adhesives
Drying of Aqueous Coatings
IndexNote:
a companion volume to this title.

Reviews - Synopsis - Dust Jacket

The chapters in this book cover a wide and diverse range of topics, providing a detailed discussion of each.From the Preface: “Pressure sensitive adhesive science and technology is still a rapidly growing field and new information continues to be developed. Our understanding of pressure sensitive properties and their testing is improving, new materials are still being developed and find applications in the pressure sensitive adhesive technology and the new uses of pressure sensitive adhesives and related materials are expanding. The purpose of this series is to present the material in a greater detail than is possible or desirable during technical meetings or in the periodical literature...Greater detail is always of value to the technologist directly involved in product development, product manufacturing or other activities...”Target Audience: Highly recommended for all professionals, especially researchers, using or formulating pressure sensitive adhesives.

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Advances in Pressure Sensitive Adhesive Technology 3

Title	Location	Edition / Series / Misc.
1136 **Advances in Pressure Sensitive Adhesive Technology 3**		*Edition:*
Author: Donatas Satas, ed.	*Dynix:*	*Series:*
Publish.: Satas & Associates	*Call No.:*	
- place:	*ISBN:* 963799320	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Adhesives and Adhesion - Polvmer Surface Modification		*Price:* $68.50
Desc: 240 p, 6 x 9 Hardcover		

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Viscoelastic Measurement of Pressure Sensitive Adhesives and Adherends
Surface Energy Measurements
Theoretical Peeling Force
The Validity of the Peel Force Equation
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Static and Dynamic Viscoelastic Properties
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Miscibility of Acrylic Pressure Sensitive Adhesives
Characterization of PSA's by Thermally Stimulated Current Technique
Experimental Design in Formulation of Pressure Sensitive Adhesives
Corona Treatment
Tack Measurement
Hydrogels and HydrocolloidsNote:
href="http://www.polysurfacesbookstore.com/pages/3051.html">Advances in
Pressure Sensitive Adhesive Technology — 2
to this title.

Reviews - Synopsis - Dust Jacket

The chapters in this book cover a wide and diverse range of topics, providing a detailed discussion of each.From the Preface: “The purpose of these books is to present new information in the area of interest to pressure sensitive adhesive researchers and manufacturers. While most of the subjects have been discussed and published at various meetings, the book format allows to include much more detail than it is possible in a paper intended for a brief presentation during a technical meeting...This volume is heavily oriented towards the pressure sensitive adhesive research carried out in Japan. Japanese research always had an important place in the overall effort to advance the understanding of pressure sensitive adhesive behavior...”Target Audience: Highly recommended for all professionals, especially researchers, using or formulating pressure sensitive adhesives.

Subjects

602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Advances in Scanning Probe Microscopy of Polymers (Macromolecular Symposia 167)

LASCT Holdings - maximum detail by Title **A**

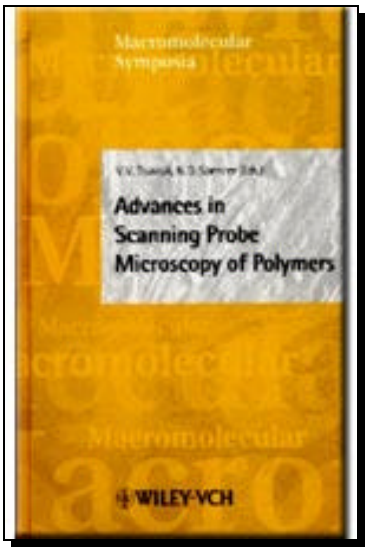
Title	Location	Edition / Series / Misc.

1421 **Advances in Scanning Probe Microscopy of Polymers (Macromolecular Symposia 167)**

Author: Vladimir V. Tsukruk and Nicholas D. Spencer, eds.
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: Polymer Characterization - Polymer Surface Chemistry - Surface
Desc: 316 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 3527303294
Shelf

Edition:
Series:
Year: 2001
Price: $155.00



Subjects

601 .	Polymer Surface Chemistry
608 .	Surface Characterization and Analysis
613 .	Polymer Characterization

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Reviews of SPM Applications to Polymers:
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Micro-Thermal Analysis of Polymers: Current Capabilities and Future Prospects
Patterns in Biopolymers and Other Biological Systems as Observed by Scanning Probe MicroscopyAmorphous and Heterogeneous Polymeric Materials:
Phase Ordering in Blend Films of Semi-Crystalline and Amorphous Polymers
Surface Structure of Amorphous PMMA from SPM: Auto-Correlation Function and Fractal Analysis
Scanning Force Microscopy of Polyester: Surface Structure and Adhesive Properties
Phase-Separated Microstructures in "All-Acrylic" Thermoplastic Elastomers
Use of In-Situ Atomic Force Microscopy to Monitor the Biodegradation of Polyhydroxyalkanoates (PHAs)
Near-Field Scanning Optical Microscopy (NSOM) Study of Alkyl-Substituted Polyfluorene Films: The Effect of Alkyl Substituent
Length on Nanoscale Polymer Ordering and Cluster FormationNanomechanical Probing of Polymer Surfaces:
Surface Force Spectroscopy of Elastomeric Nanoscale Films
Dynamic Force Microscopic Study of a Triblock Copolymer with the AFM Non-Contact Resonant Mode
Influence of Tip Indentation Depth on the Adhesive Behavior of Viscoelastic Polydimethylsiloxane Networks Studied by Atomic Force Microscopy
Investigations of Heterogeneous Ultrathin Blends Using Lateral Force MicroscopySPM Studies of Polymer Ultrathin Films and Molecular Layers:Characterization of the Surface, Structura
Mechanical, and Thermal
Properties of Benzocyclobutene Dielectric Polymers Using Scanned Probe Microscopy
Bilayer Nanocomposite Molecular Coatings from Elastomeric/Rigid Polymers: Fabrication, Morphology, and Micromechanical Properties
Surface Organization of Hyperbranched Polymer Molecules, as Studied by Atomic Force Microscopy (AFM)
The Characterization of High Generation Poly(amidoamine) G9 Dendrimers by Atomic Force Microscopy (AFM)
Scanning Force Microscopic Study of Protein Adsorption on the Surface of Organosilane Monolayers Prepared by the Langmuir—Blodgett Method
Electrochemical AFM on Surface Grafted Poly(ferrocenylsilanes)
Mapping Chemically Heterogeneous Polymer System Using Selective Chemical Reaction and Tapping Mode Atomic Force Microscopy

Reviews - Synopsis - Dust Jacket

This volume contains papers from the symposium Scanning Probe Microscopy of Polymers National Meeting in Washington, DC, in August, 2000. Primary topics include SPM imaging of polymer morphology and microsturcture, nanomechanical probing of polymer surfaces, microthermal imaging, studies

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of ultrathin films and molecular layers, and SPM applications to industrial polymers.From the Preface: "...The symposium focused on the latest advances in applications of scanning probe microscopy (SPM) techniques for the study of polymeric and organic materials...More than 50 presentations were delivered by participants from 11 countries..."Target Audience: Scientists and technologists in either industry or academia who are concerned with analysis of polymer surfaces.

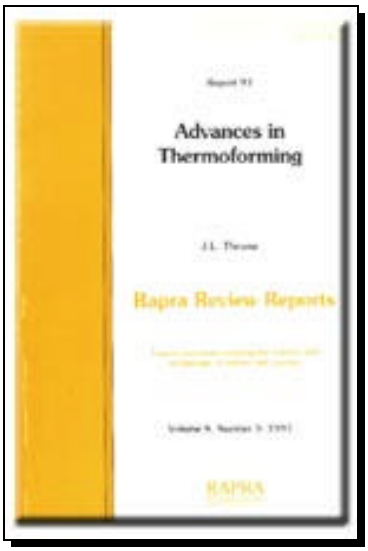
Title	Location	Edition / Series / Misc.

1091 **Advances in Thermoforming (Rapra Review Report 93)**

Author: J.L. Throne
Publish.: Rapra
- place:
- date: 1995
Subject: Plastics Processing Technology - Extrusion - Packaging Technolog
Desc: 100 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859570895
Shelf

Edition:
Series:
Year: 1995
Price: $103.50



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598 .	Extrusion
628 .	Plastics Processing Technology
629 .	Packaging Technology

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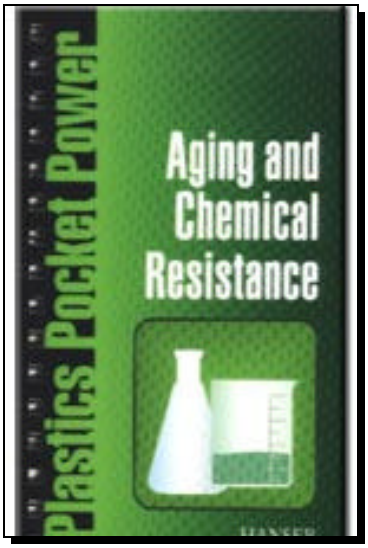
Title	Location	Edition / Series / Misc.

1375 **Aging and Chemical Resistance**

Author: Christian Bonten and Robert Berlich
Publish.: Hanser Gardner
- place:
- date: 2002
Subject: Wear, Weathering, and Tribology - Plastics Processing Technology
Desc: 128 p, 3 x 5 Paperback

Dynix:
Call No.:
ISBN: 1569903328
Shelf

Edition:
Series:
Year: 2002
Price: $16.50



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Further ReadingNote:
href="http://www.polysurfacesbookstore.com/pages/3626.html">Extrusion Blow Molding
href="http://www.polysurfacesbookstore.com/pages/3627.html">Extrusion Processing Data
href="http://www.polysurfacesbookstore.com/pages/3628.html">Welding

are companion booklets in this series. Please call, fax, or email for a quote on quantities of 20 or more pieces — titles can be mixed for this special quantity discount.

Reviews - Synopsis - Dust Jacket

The
source that puts answers to your daily questions right at your fingertips, saving time that can be put to productive use. Each volume contains 128 pages, is spiral bound, and measures only three by five inches to fit easily into your shirt pocket — making them perfect to carry with you throughout the day.Aging and Chemical Resistance
different interacting aging mechanisms and their influence on plastic parts and their properties. It presents and explains the general mechanisms that affect the product's lifetime and performance. The unique table of chemical resistance delivers information on how the major plastic materials hold up to chemical influences, from acetic acid to zinc chlorides.From the Introduction: “Aging and chemical resistance is probably one of the most underestimated parameters influencing the performance of polymer components. Hence, in the concept and design phase of plastic products, this point is often not taken into considerations. However, all plastic products suffer from aging, which means that the plastic material changes its properties with time...”Target Audience: Practicing engineers, designers, technicians, students, managers, and any other professional who will benefit from concise, ready information on the aging and chemical resistance of polymer materials and components.

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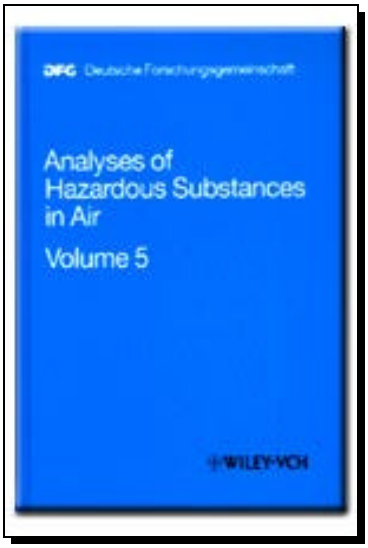
Title	Location	Edition / Series / Misc.

1440 **Analyses of Hazardous Substances in Air, Vol. 5**

Author: Antonius Kettrup, ed.
Publish.: Wiley - VCH
- place:
- date: 2002
Subject: Health. Safety. and the Environment - Recommend this Site
Desc: 250 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527270469
Shelf

Edition:
Series:
Year: 2002
Price: $118.50



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623 .	Health, Safety, and the Environment
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Reviews - Synopsis - Dust Jacket

This is the fifth volume in an international series of analytical methods for the determination of toxicants in the air at the workplace. All methods are reliable, reproducible, and meet the requirements for quality control. Each method describes the general principles involved, details of equipment, chemicals and solution preparation, calibration standards, sample collection and preparation, experimental conditions, procedures for calibration and analysis, calculation of results, and performance evaluation. Considerable emphasis is placed on sample collection methods and analytical quality control.From the Foreword: "...If the aim of the limit values to protect workers health is to be realised, then it is essential that measurements of exposure should be reliable. Persons who carry out measurements must possess the necessary expertise and facilities. Furthermore, the measuring procedure used, including limit of detection, sensitivity, precision and accuracy, must be appropriate to the chemical compound to be measured , its limit value and the workplace atmosphere..."Target Audience: Industrial hygiene and safety engineering personn and researchers dedicated to measurement and analysis of hazardous industrial airborne substances.

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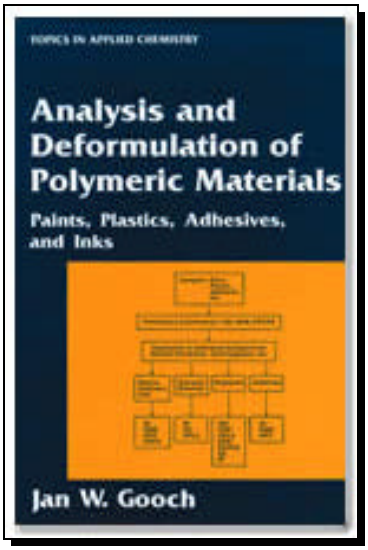
Title	Location	Edition / Series / Misc.

1180 **Analysis and Deformulation of Polymeric Materials: Paints, Plastics, Adhesives, and Inks**

Author: Jan W. Gooch
Publish.: Plenum Press
- place:
- date: 1997
Subject: Polymer Characterization - Adhesives and Adhesion - Inks and
Desc: 352 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 306455412
Shelf

Edition:
Series:
Year: 1997
Price: $143.50



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606 .	Adhesives and Adhesion
613 .	Polymer Characterization

Reviews - Synopsis - Dust Jacket

This practical resource provides the latest information on the composition of polymeric materials. Following a discussion of principles are chapters covering formulations, materials, and analysis of paint, plastic, adhesives, and printing inks. Reformulation methods are described which can be used to test analysis results. A detailed table of contents and extensive index with listings of relevant materials allows the reader easy access to topics. Other features include various materials listed according to their trivial, trade, and scientific names cross-referenced for easy identification.From the Preface: "...The information within these pages is intended to arm the reader with the necessary working knowledge to analyze, characterize, and deformulate materials...An introduction to analysis and deformulation is provided in Chapter 1 to acquaint the reader with analytical methods and their applications. Extensive references are provided as additional sources of information. All tables are located in the Appendix, beginning on p. 235..."Target Audience: Chemists, formulators, forensic scientists, teachers, and students concerned with various polymeric materials.

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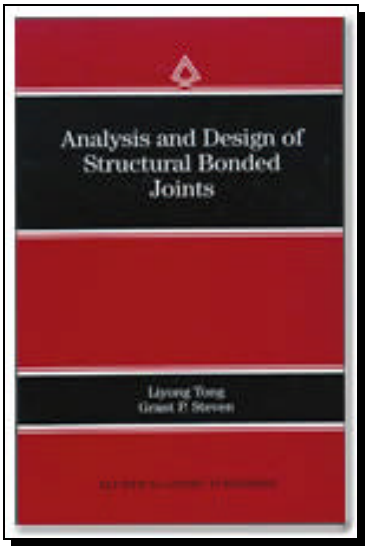
Title	Location	Edition / Series / Misc.

1274 **Analysis and Design of Structural Bonded Joints**

Author: Liyong Tong and Grant P. Steven
Publish.: Kluwer Academic
- place:
- date: 1999
Subject: Composites. Laminates. and Fibers - Adhesives and Adhesion -
Desc: 302 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 792384946
Shelf

Edition:
Series:
Year: 1999
Price: $143.50



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606 .	Adhesives and Adhesion
609 .	Materials Science
625 .	Composites, Laminates, and Fibers

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Optimum Design
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Reviews - Synopsis - Dust Jacket

This is the first book to focus on failure prediction, damage tolerance, optimum design, and stitched joining technology for composite materials. It discusses failure mechanisms and predictions of metal and composite bonded joints using both strength of materials and fracture mechanics methods; it also examines the analysis, design and manufacturing of stitched joints using resin transfer moulding and resin film infusion.These techniques have great potential in the manufacturing of lightweight composite structures, in which joining design and execution is a critical concern. The damage tolerance of structural bonded joints is comprehensively covered, and when dealing with optimum design the latest evolutionary structural optimization technology is used to develop joint designs with improved strength. Real world applications abound in the aeronatucial, automotive, and maritime industries, among others.From the Preface: “Most structures consist of an assembly of a number of individual components that must be connected to form an integral load transmission path. These connections are often referred to as joints and can be achieved in a variety of forms, e.g. by bolting, riveting, or other forms of mechanical fastening, or by welding or brazing for connecting metallic elements, or by adhesive bonding...Compared to other joining methods, particularly mechanical fastening, adhesive bonding can offer substantial performance and economic advantages. For example, the ability to join dissimilar materials, or to effiiciently join thin-sheet materials...”Target Audience: All engineers and researchers concerned with composite structures.

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Analysis of Plastics (Rapra Review Report 149)

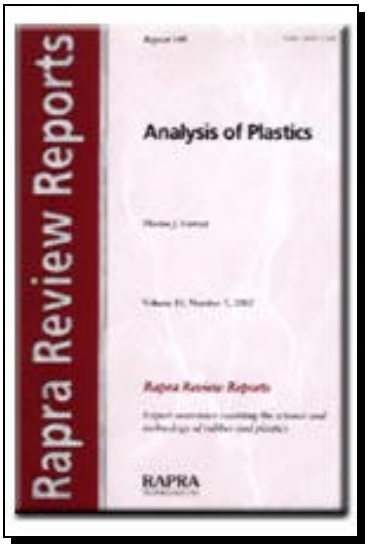
Title	Location	Edition / Series / Misc.

1446 **Analysis of Plastics (Rapra Review Report 149)**

Author: Martin J. Forrest
Publish.: Rapra
- place:
- date: 2002
Subject: Polymer Characterization - QA/QC. Statistics. and Testing
Desc: 160 p. 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859573339
Shelf

Edition:
Series:
Year: 2002
Price: $123.50



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607 .	QA/QC, Statistics, and Testing
613 .	Polymer Characterization

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Determination of the Plasticiser and Filler in a Plastic Compound
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Reviews - Synopsis - Dust Jacket

This review outlines the techniques used in plastics analysis and then illustrates which methods are applied to obtain a particular result or piece of compositional information such as polymer and filler identification, molecular weight determination, or surface properties. It also includes sections on specific areas such as tests for plastics in contact with food, analysis of plastic laminates and fibres, PVC stabilizers, and more. Techniques which are discussed include IR, UV, NMR, atomic absorption, X-ray fluorescence, and raman spectroscopy. Chromatographic methods including GC-MS, LC-MS, GPC, and TLC, as well as thermal techniques DSC, DMTA, and TGA are also covered.From the Introduction: “Plastics present chemical anal with one of their most difficult, but satisfying, challenges. In order to obtain useful products that perform under a variety of demanding conditions, the plastic matrix can be tailor made by the bringing together of a wide range of polymers and additives. There is a very wide range of polymer types available...”Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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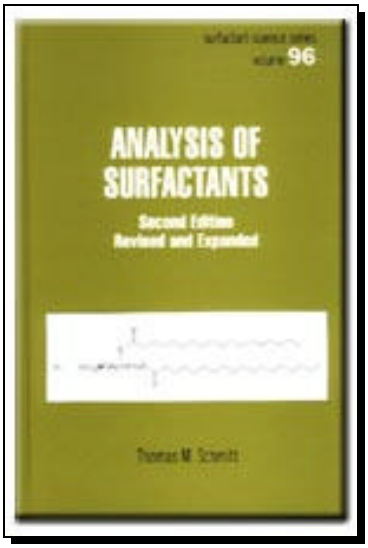
Title	Location	Edition / Series / Misc.
1086 **Analysis of Surfactants, 2nd Ed.**		*Edition:*
Author: Thomas M. Schmitt	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824704495	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Solubility and Surfactants - QA/QC. Statistics. and Testing		*Price:* $193.50
Desc: 648 p, 6.8 x 10 Hardcover		



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Characterization of Cationic Surfactants
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Capillary Electrophoresis
Ultraviolet and Visible Spectrophotometry
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605 .	Solubility and Surfactants
607 .	QA/QC, Statistics, and Testing

Reviews - Synopsis - Dust Jacket

In the tradition of the popular first edition, this revised and expanded edition offers a comprehensive and practical account of analysis methods for determining and understanding commercially important surfactants — individually and in compounds. Combining a complete review of the literature with a variety of evaluation procedures and the specifications for commercial products, this reference explores the key stages and latest developments for surfactant applications.Analysis of Surfactants structural drawings for an array of commercial surfactants; presents the accepted methodology for determining active agents and impurities in surfactants; discusses spectroscopic and chromatographic methods of characterization and concentration used in the analytical chemistry of surfactants; reviews techniques for identifying surfactants in the environment; and much more.From the Preface: "...In order to keep the size of the volume within practical limits, I have allowed myself to be more critical in the second edition than the first. Published methodology is not taken at face value, but is put into the context of previous work and evaluated in light of my own thirty years of experience in industrial chemistry. Techniques that are only of academic interest are covered in much less detail than those that have immediate application. The purpose remains to give the chemist a ready reference for deciding how best to approach the analytical chemistry challenges that present themselves in the world of surfactants."Target Audience: Physical, surface, colloid, and oil chemists;
analytical, research, and quality assurance chemists in the detergents, pharmaceuticals, and cosmetics industries; regulatory and food scientists; and upper-level students in these disciplines.

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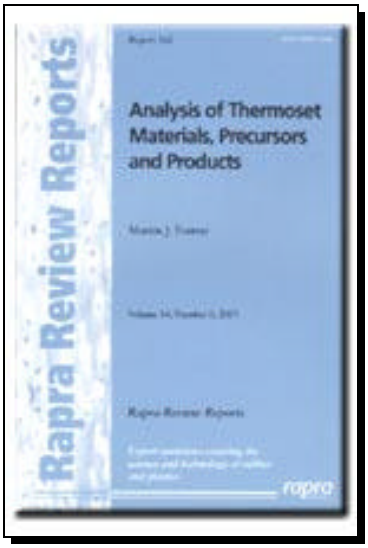
Title	Location	Edition / Series / Misc.

1542 **Analysis of Thermoset Materials, Precursors and Products (Rapra Review Report 162)**

Author: Martin J. Forrest
Publish.: Rapra
- place:
- date: 2003
Subject: Polymer Characterization - Materials Science
Desc: 156 p, 8.2 x 11.6 Paperback

Dynix:
Call No.:
ISBN: 1859573908
Shelf

Edition:
Series:
Year: 2003
Price: $128.50



Subjects

609 .	Materials Science
613 .	Polymer Characterization

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Overview of Analytical Techniques
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Determination of Functional Additives in Thermoset Products
Cure Behaviour Studies
Surface Analysis of Thermosets
Failure Diagnosis
Additional References
Abstracts from the Polymer Library Database
Subject Index
Company Index

Reviews - Synopsis - Dust Jacket

This review discusses the various methods used to analyze thermosets — a complex and wide range of materials used in moldings, adhesives, paints, composites, coatings, inks, and countless other products — including their precursors and finished products. This reference tool contains 403 abstracts from Rapra's Polymer Library database.From the Introduction: "...The objective of this review is to prese as fully as is possible within this format, an introduction to the analytical techniques and methods that are used to characterise and carry out quality control work on thermosets, investigate the failure of thermoset products and to deformulate thermoset compounds..."Rapra Review Reports contain a brief overview of topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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Analytical Polymer Rheology: Structure - Processing - Property Relationships

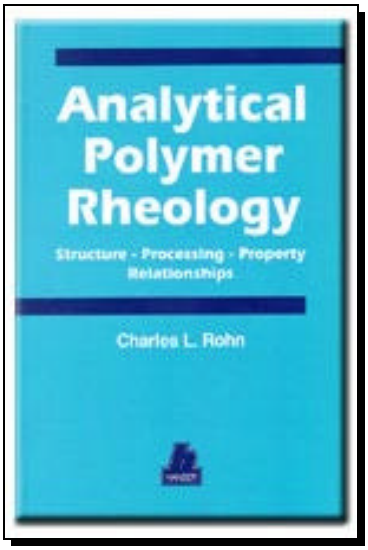
Title	Location	Edition / Series / Misc.

1040 **Analytical Polymer Rheology: Structure - Processing - Property Relationships**

Author: Charles L. Rohn
Publish.: Hanser Gardner
- place:
- date: 1995
Subject: Polymer Characterization - Extrusion - Inks and Coatings - Polymer
Desc: 326 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 156990149
Shelf

Edition:
Series:
Year: 1995
Price: $123.50



Subjects

598 .	Extrusion
603 .	Inks and Coatings
613 .	Polymer Characterization

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History of Rheology and Macromolecular Science
Principles of Mechanics
Stress and Strain
Gases
Rubber
Solids
Fluids and Polymer Solutions
Polymer Melts
Phase Changes and Transitions
Suspensions
Linear Viscoelasticity
Rheological Testing
Polymer Fabrication and Properties
Yielding and Fracture
Index

Reviews - Synopsis - Dust Jacket

This book describes the use of rheology for analyzing the structure of matter. Complete descriptions of classical theories that make the connection between rheological parameters and molecular structure of all three states of matter are presented. Rheology has greatly increased our understanding of the structure—processing—property relationships of viscoelastic materials over the years. Many examples are given to show how rheology can be used for analytical purposes in the plastics and coatings industries.From the Preface: "...Too many people think rheology is only for engineers and material scientists, and not for analytical chemists. Rheology, however, is a very sensitive probe of the molecular and morphological structure of matter. The growth of rheology for analytical purposes has been impeded by the lack fo understanding that mechanical perturbations at the surface of a body can give information on a molecular scale at the interior of materials...too few examples of these relationships exist in the literature. From my own studies, I have drawn examples to show how structure—processing—property relationships can be understood from rheology..."Target Audience: Polymer scientists and technologists, analytical chemists, and upper-level students concerned with the use of rheology in plastics analysis.

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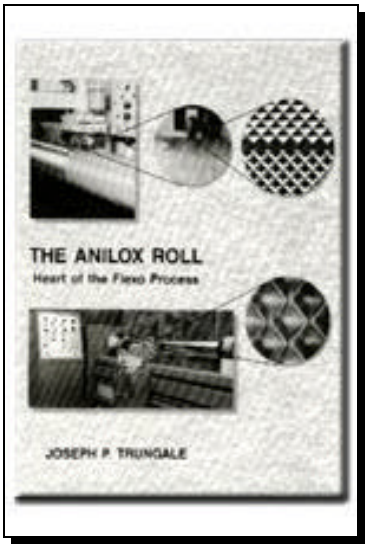
Title	Location	Edition / Series / Misc.

1073 **Anilox Roll: Heart of the Flexo Process**

Author: Joseph P. Trungale
Publish.: Jelmar Publishing
- place:
- date: 1997
Subject: Printing Technology - Coating Processes
Desc: 141 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 1885067038
Shelf

Edition:
Series:
Year: 1997
Price: $73.50



Subjects

235 .	Coating processes
624 .	Printing Technology

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Laser Engraved Anilox Rolls
Anilox Base Construction
Rubber Roll Ink Distribution Systems
Doctor Blade Ink Distribution Systems
Effect of Surface Tension on Ink Transfer
Selecting Anilox Rolls
Ultraviolet Ink Transfer
Volumetric Measuring Devices
Care and Maintenance of Anilox Rolls
Appendices
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Reviews - Synopsis - Dust Jacket

This is the first book ever published which is exclusively devoted to anilox rolls and their functions — critical information for any flexo printer. It covers history, rubber roll and doctor blade ink distribution systems, anilox roll selection, cell volume calculations and volumetric measuring devices, anilox roll care and maintenance, and more.From the Preface: "...Through this book I have trie provide an accurate and historical document of the anilox roll and its role in flexography and the flexographic printing industry. This book is based on my personal experiences and a lot of research...I truly hope you will find this book both educational and useful for your flexographic needs."Target Audience: A must-have for diverse perso in every flexo printshop; required reading for flexo printing students in universities or trade programs.

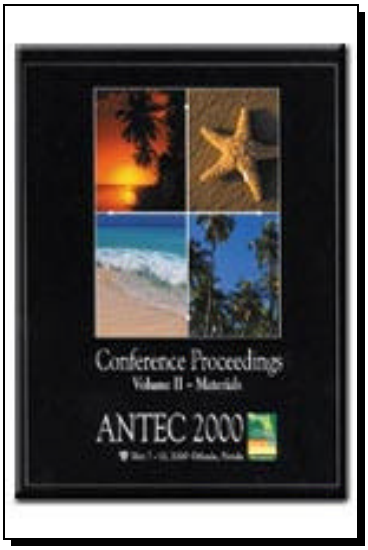
Title	Location	Edition / Series / Misc.

1287 **ANTEC 2000 Conference Proceedings**

Author:
Publish.: SPE
- place:
- date: 2000
Subject: Plastics Processing Technology - Polymer Characterization - Polym
Desc: 3880 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1566768551
Shelf

Edition:
Series:
Year: 2000
Price: $428.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This three volume publication contains the proceedings of the Society of Plastics Engineers Annual Technical Conference (ANTEC) held May 7-11, 2000, in Orlando, FL. Containing more than 750 reports by plastics specialists from around the world, it offers the most extensive presentation of new plastics technology available from one source. All areas of plastics technology are addressed, including materials research, processing advances, and new developments in applications. It is also available in CD-ROM format with full text searchability; please contact us by email, phone, or fax.Target Audience: Researchers and technologists in industry and academia who are concerned with the latest plastics technologies and applications.Brief Table of Contents:Volume I — Processing:Extrusion Division Papers
Injection Molding Division Papers
Thermoset Division Papers
Blow Molding Division Papers
Mold Making/Mold Design Division Papers
Applied Rheology Division Papers
Joining of Plastics & Composites Division Papers
Rotational Molding Division PapersVolume II — Materials:
Electrical and Electronic Division Papers
Engineering Properties and Structure Division Papers
Thermoplastic Materials and Foams Division Papers
Polymer Analysis Division Papers
Composites Division Papers
Alloys and Blends Division PapersVolume III — Special Areas:
Color and Appearance Division Papers
Automotive Division Papers
Medical Plastics Division Papers
Marketing and Management Division Papers
Polymer Modifiers and Additives Division Papers
Plastics Recycling Division Papers
Product Design and Development Division Papers
Failure Analysis and Prevention Division Papers
Thermoplastic Elastomers Division Papers
Education and Training Division Papers
Vinyl Division Papers
Students Division Papers
Poster Presentations
Fundamentals Forum

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Title	Location	Edition / Series / Misc.

1333 **ANTEC 2001 Conference Proceedings**

Author:
Publish.: SPE
- place:
- date: 2001
Subject: Plastics Processing Technology - Polymer Science
Desc: 3920 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1587160986
Shelf

Edition:
Series:
Year: 2001
Price: $398.50

Subjects

610 .	Polymer Science
628 .	Plastics Processing Technology

Table of Contents

Volume I — Processing:
Extrusion
Injection Molding
Thermoforming
Thermoset
Blow Molding
Mold Making/Mold Design
Applied Rheology
Joining of Plastics and Composites
Rotational MoldingVolume II — Materials:
Electrical and Electronic
Engineering Properties and Structure
Thermoplastic Materials and Foams
Polymer Analysis
Composites
Alloys and BlendsVolume III — Special Areas:
Color and Appearance
Automotive
Decorating and Assembly
Medical Plastics
Marketing and Management
Polymer Modifiers and Additives
Plastics Recycling
Product Design and Development
Failure Analysis and Prevention
Thermoplastic Elastomers

Reviews - Synopsis - Dust Jacket

This three volume compilation of papers presented at the Society of Plastics Engineers' ANTEC 2001, held in Dallas, TX May 6-10, offers a wealth of information on plastics and polymer technology. Presenting more than 700 reports by plastics specialists from industry, research organizations and universities from around the world, these books highlight new developments in research and development, processing, materials, and applications. Papers address advances in films, conductive polymers, blends and alloys, foams, composites (including nanocomposites), metallocene polyolefins, elastomers, and other polymeric materials.Target Audience: All plastics and polymer scier researchers, designers, and technologists.

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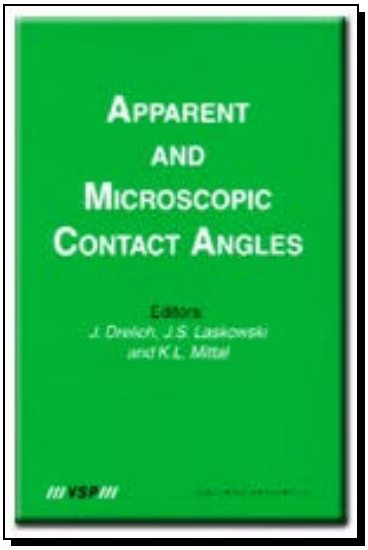
Title	Location	Edition / Series / Misc.

1390 **Apparent and Microscopic Contact Angles**

Author: J. Drelich, J.S. Laskowski, and K.L. Mittal, eds.
Publish.: VSP
- place:
- date: 2000
Subject: Surface Characterization and Analysis - Interfacial Engineering and
Desc: 532 p, 6.6 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067643211
Shelf

Edition:
Series:
Year: 2000
Price: $155.00



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
608 .	Surface Characterization and Analysis

Table of Contents

Reviews - Synopsis - Dust Jacket

Determining the surface free energy of solids through contact angle measurement is of significant importance to industry and academia. The models thus far developed still require improvement; the papers in this volume address this dilemma. They were originally presented at the International Symposium on
held in conjunction with the American Chemical Society Meeting in Boston, MA, August 24-27, 1998. The symposium was truly international and interdisciplinary, providing a forum for almost 100 chemists, metallurgists, physicists, and biologists from 17 countries.From the Preface: "...The symposium in Boston provide opportunity
to discuss several controversial issues associated with interfacial phenomena that govern the behavior of the three-phase systems. Particularly welcomed were contributions on the molecular and nanoscopic effects in wetting phenomena. We are on the verge of understanding the arrangements of molecules at interfaces and their effect on microscopic properties of the three-phase systems, such as interfacial forces, interfacial tension, linear excess energy, etc. The interfacial transition regions between immiscible phases are the subject of current experimental and theoretical investigations, and the progress in imaging and understanding of these regions was reported in Boston..."Target Audience: Any researcher, technologist, or studen is
concerned with contact angle measurement and its applications.Partial Table of Contents:
Nanoscopic and Molecular Effects on Contact Angles:
Measurement of Contact Line Tension by Analysis of the Three-Phase Boundary with Nanometer Resolution
Nanometer Resolution of Liquid Surface Topography by Scanning Force Microscopy
Instability of the Three-Phase Contact Region and Its Effect on Contact Angle Relaxation
Molecular Mechanisms of Hydrophobic Transitions
Wettability and Microstructure of Polymer Surfaces: Stereochemical and Conformational Aspects
Contact Angles on Quartz Induced by Adsorption of Heteropolar HydrocarbonsSurface Forces and Surface Free Energy:
Determination of the Acid—Base Properties of Metal Oxide Films and of Polymers by Contact Angle Measurements
Acid—Base Surface Free Energies of Solids and the Definition of Scales in the Good—van Oss—Chaudhury Theory
The Gap Between the Measured and Calculated Liquid—Liquid Interfacial Tensions Derived from Contact Angles
Self-Organization in Unstable Thin Liquid Films: Dynamics and Patterns in Systems Displaying a Secondary MinimumWetting of Heterogeneous, Rough and Curved Surfaces:
Underwater Captive Bubble Technique on Curved Surfaces of Blended Polydimethylsiloxanes
Thermodynamic Equilibrium and Stability of Liquid Films and Droplets on Fibers
Estimation of Contact Angles on Fibers
The Combined Effect of Roughness and Heterogeneity on Contact Angles:
The Case of Polymer Coating for Stone Protection

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Wettability of Fine Solids Extracted from Bitumen Froth
A New Model to Determine Contact Angles on Swelling Polymer Particles
by the Column Wicking MethodDynamic Effects in Contact Angle Measurement:
Determination of the Peripheral Contact Angle of Sessile Drops on
Solids from the Rate of Evaporation
Analysis of Evaporating Droplets Using Ellipsoidal Cap Geometry
An Acoustic Technique for the Monitoring of Dynamic Wetting Behavior
Dynamic Contact Angle Explanaton of Flow Rate-Dependent
Saturation—Pressure Relationships During Transient Liquid Flow in
Unsaturated Porous Media
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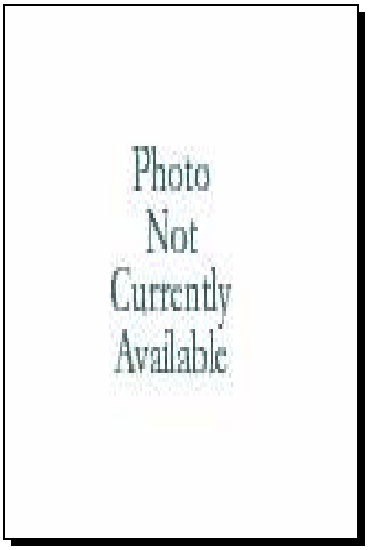
Title	Location	Edition / Series / Misc.

1353 **Application of Textiles in Rubber**

Author: David B. Wootton
Publish.: Rapra
- place:
- date: 2001
Subject: Textiles and Nonwovens - Adhesives and Adhesion - Composites.
Desc: 256 p, 7.2 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 1859572774
Shelf

Edition:
Series:
Year: 2001
Price: $166.50



Subjects

606 .	Adhesives and Adhesion
625 .	Composites, Laminates, and Fibers
631 .	Textiles and Nonwovens

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Historical Background
Production and Properties of Textile Yarns
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Heat-Setting and Adhesive Treatments
Basic Rubber Compounding and Composite Assembly
Assessment of Adhesion
Conveyor Belting
Hose
Power Transmission Belts
Applications of Coated Fabrics
Miscellaneous Applications of Textiles in Rubber
Index

Reviews - Synopsis - Dust Jacket

This book is presented in two broad sections. It starts by describing the history of the use of textiles in rubber composites and progresses through the technology of yarn production to the details of fabric construction. The five core fabric materials used in rubber reinforcement — cotton, rayon, polyester, nylon, and aramid — are all considered. Adhesion of fabrics to the rubber matrix is discussed and tests for measuring adhesion are described.In the second half of specific applications of fabrics in rubber are described in detail: Conveyor belting, hose, power transmission belting, and coated fabrics in structural applications. There are also short sections on applications such as hovercraft skirts, air brake chamber diaphragms, and snowmobile tracks.From the Preface: "...The aim of this current work is to provide a general background to and a basic awareness of the technology of textiles, to give the rubber technologists an improved understanding of the uses, processes and potential problems associated with the use of textiles in rubber products..."Target Audience: Any reader interested in the use of textiles in rubber parts and processing, including technologists, designers, manufacturing managers, and materials engineers.

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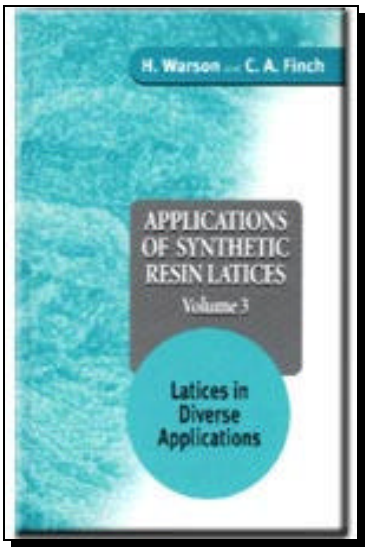
Title	Location	Edition / Series / Misc.

1341 **Applications of Synthetic Resin Latices [Vol. 3: Latices in Diverse Applications]**

Author: Henry Warson and C.A. Finch
Publish.: John Wiley & Sons
- place:
- date: 2001
Subject: Colloids and Emulsions - Adhesives and Adhesion - Inks and
Desc: 544 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471954624
Shelf

Edition:
Series:
Year: 2001
Price: $215.00



Subjects

603 .	Inks and Coatings
606 .	Adhesives and Adhesion
621 .	Colloids and Emulsions

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Introduction
Construction and Building Industries — Bonding and Sealants
Applications of Latices in the Paper Industry
Finishing
of Textiles
Miscellaneous Applications of Polymer LaticesNote:
href="http://www.polysurfacesbookstore.com/pages/3577.html">Applications of Synthetic Resin Latices, Volume 1: Fundamental Chemistry of Latices and Applications in Adhesives
href="http://www.polysurfacesbookstore.com/pages/3578.html">Applications of Synthetic Resin Latices, Volume 2: Latices in Surface Coatings — Latex Paints

Reviews - Synopsis - Dust Jacket

The third volume of this series on synthetic resin latices covers the principles and practice of the use of latex-based systems in diverse applications, including building and construction products, paper coating, textile treatment, polishes, leather finishing, and more. The sections on paper and textile applications are especially detailed.From the Preface: "...With the present trends in ensuring environmental
safety, water-based latices are having an ever-increasing role in a diverse range of applications. Many of these overcome the limitations of water-based polymers since in film forming a minimum temperature is necessary, and in the case of some polymers there are limitations due to insufficient film hardness with a tendency of films to 'creep' on a vertical surface. Developments in the formation of latices have included increasing molecular weights of polymers and the use of 'core—shell' copolymers, which often have the effect of reducing the minimum film-forming temperature, therefore enabling harder films to be formed, and above all, the use of crosslinking reactions, often described as 'curing'..."Target Audience: Chemists and other scientists involved in industrial or academic polymer research; technical service providers who examine latices for potential applications; and technologists in the application industries, such as paper, textiles, coatings, etc., who are interested in these water-based systems.

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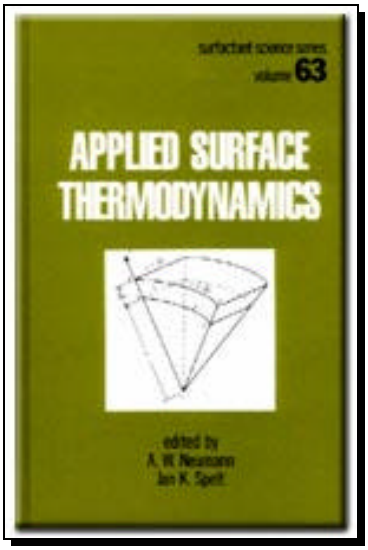
Title	Location	Edition / Series / Misc.

1039 **Applied Surface Thermodynamics**

Author: A.W. Neumann and Jan K. Spelt, eds.
Publish.: Marcel Dekker
- place:
- date: 1996
Subject: Interfacial Engineering and Surface Science - Colloids and
Desc: 659 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824790960
Shelf

Edition:
Series:
Year: 1996
Price: $198.50



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
621 .	Colloids and Emulsions

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The Generalized Theory of Capillarity
Thermodynamics of Axisymmetric Capillary Systems
Thermodynamic Status of Contact Angles
Line Tension in Multiphase Equilibrium Systems
The Equation of State Approach to Interfacial Tensions
The Theory of Surface Tension Components and the Equation of State Approach
Theoretical Approaches for Estimating Solid—Liquid Interfacial TensionsContact Angle and Liquid Surface Tension Measurements: General
Procedures and Techniques
Capillary Rise at a Vertical Plate as a Contact Angle Technique
Axisymmetric Drop Shape Analysis (ADSA)
Wettability and Surface Tension of Particles
Behavior of Particles at Solidification Fronts
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Reviews - Synopsis - Dust Jacket

This reference/text offers a thorough discussion of applied surface dynamics in relation to contact angles and surface tensions, providing a rigorous foundation for the subject and detailed presentations of recent techniques. It examines the generalized theory of capillarity; the mechanics of axisymmetric multiphase systems; the thermodynamic status of contact angles and contact angle measurement; the determination of solid—liquid interfacial tensions; liquid surface tension and the wettability of solid particles; and more.From the Preface: “This book consists of twelve chapters dealing with different aspects of surface science and its applications. While the chapters are free-standing, there is a logical progression: knowledge of previous chapters will enhance the understanding of subsequent chapters. Philosophically, the book is firmly anchored in Gibbsian thermodynamic thinking...”Target Audience: Physical, surface, colloid, and industrial chemists; physicists; geologists; materials scientists; environmentalists; and upper-level students in these disciplines.

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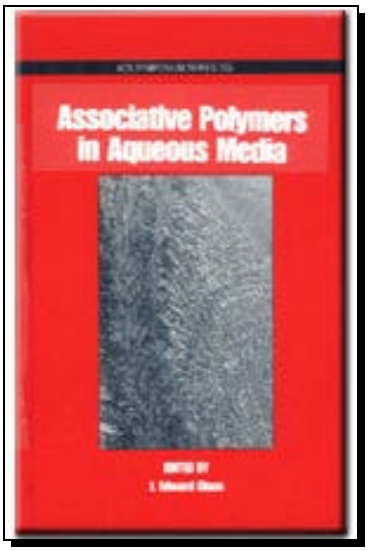
Title	Location	Edition / Series / Misc.

1332 **Associative Polymers in Aqueous Media (ACS Symposium Series 765)**

Author: J. Edward Glass, ed.
Publish.: American Chemical Society
- place:
- date: 2000
Subject: Polymer Science - Inks and Coatings - Paints and Protective
Desc: 434 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841236593
Shelf

Edition:
Series:
Year: 2000
Price: $125.00



Subjects

603 .	Inks and Coatings
610 .	Polymer Science
617 .	Paints and Protective Coatings

Table of Contents

Reviews - Synopsis - Dust Jacket

This collection of papers focuses on surface active agents and their applications, which include a number of commercially important technology sectors: coatings, detergents, water treatment, and petroleum recovery.From the Foreword: "...The purpose of the Symposium] series is to publish timely, comprehensive books developed from ACS sponsored symposia based on current scientific research. Occasionally, books are developed from symposia sponsored by other organizations when the topic is of keen interest to the chemistry audience..."From the Preface: "Associative polymers in aqueous media represent an area of significant industrial importance. This maturing technology is discussed in this text. In the first section, five chapters discuss block copolymers and dendrimers...The second section of this book, surfactant-modified, water soluble polymers, updates information provided in earlier volumes...A high percentage of the participants in the first symposium organized in 1984 were industrial. That has certainly changed during the past 15 years. An attempt is being made to reverse this trend in the last symposium to be organized in Chicago in 2001, on 'Water-Borne Coatings'..."Target Audience: Polymer chemists and technologists, researchers, and graduate students who are concerned with a variety of fields related to the polymers in aqueous solution.Brief Table of Contents:Preface
Water-Soluble PolymersHMPAM and HEUR Polymers
Adsorption Studies: POE, HEUR, and HMPAM
HMHEC and HMEHEC Polymers
HASE Thickeners
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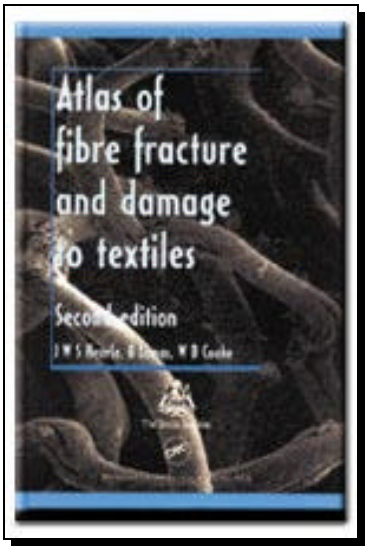
Title	Location	Edition / Series / Misc.

1162 **Atlas of Fibre Fracture and Damage to Textiles, 2nd Ed.**

Author: J. Hearle, ed.
Publish.: CRC Press
- place:
- date: 1998
Subject: Composites, Laminates, and Fibers - Materials Science - Wear.
Desc: 480 p, Hardcover

Dynix:
Call No.:
ISBN: 849338816
Shelf

Edition:
Series:
Year: 1998
Price: $408.50



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Reviews - Synopsis - Dust Jacket

Subjects

609 .	Materials Science
614 .	Wear, Weathering, and Tribology
625 .	Composites, Laminates, and Fibers

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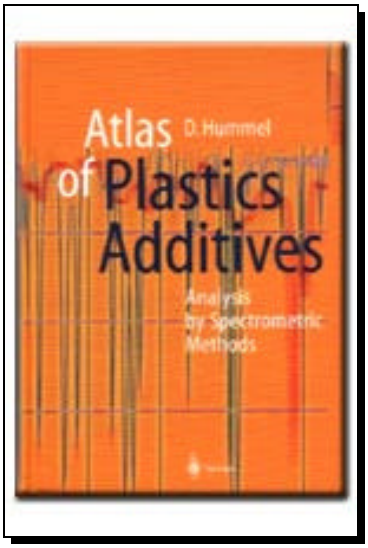
Title	Location	Edition / Series / Misc.

1493 **Atlas of Plastics Additives: Analysis by Spectrometric Methods**

Author: Dietrich O. Hummel
Publish.: Springer
- place:
- date: 2002
Subject: Additives - Polymer Characterization - QA/QC. Statistics. and Testir
Desc: 544 p, 8.2 x 10.8 Hardcover

Dynix:
Call No.:
ISBN: 3540424148
Shelf

Edition:
Series:
Year: 2002
Price: $338.50



Subjects

607 .	QA/QC, Statistics, and Testing
611 .	Additives
613 .	Polymer Characterization

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Nuclear Magnetic Resonance Spectrometry
Mass Spectrometry
Structure Analysis by X-Ray Diffraction
Elemental Analysis
BibliographySpectral Atlas of Plastics Additives:
Decimal Classification of Additives
FTIR Spectra of Additives
Chemical Name Index
Trivial/Trade Names

Reviews - Synopsis - Dust Jacket

Instrumental, especially spectrometric methods, are widely used in analytical laboratories for identification and quantitative determination of complex organic systems. This book describes the application of vibrational (FTIR, UV, Raman) and mass spectrometries and of other instrumental techniques for identification and structure elucidation of plastics additives such as antioxidants, stabilizers, plasticizers, and pigments. The state of the art is compressed in numerous tables and figures which allow the interpretation of spectra. Especially remarkable is the presentation of FTIR spectra of 752 selected additives, together with structures, legends, and peak tables.From the Preface: "...Literature on (predominantly) spectroscopic methods in the analysis of plastics additives was evaluated until 2001. Methods and experiments were critically reported; wherever possible the results were compressed in tables. In order to keep the volume of the book within limits only elementary methods for the separation of additives and matrices were described...To facilitate access for the analyst, the `triplets' (spectrum with peak table, structure, legend) were arranged according to a decimal system (technological class, chemical composition). Registers (chemical and trade name, empirical formula) help one to find the desired spectrum..."Target Audience: Analytical laboratory engineers, scientists, and technicians in the plastics processing and plastics additives industries.

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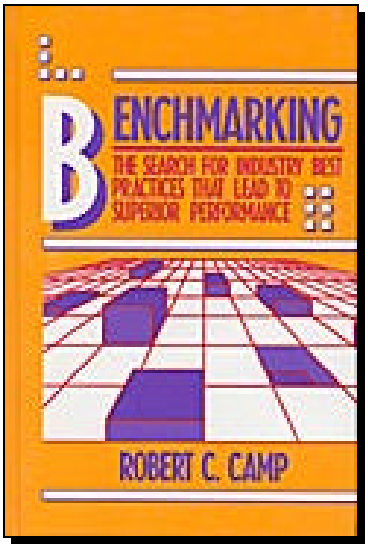
Title	Location	Edition / Series / Misc.

1559 **Benchmarking:Search for Industry Best Practices**

Author:
Publish.: ASQC
- place:
- date: 1989
Subject: Quality Assurance
Desc: 299 pages, hardbound

Dynix:
Call No.:
ISBN: 0527916358
Shelf

Edition:
Series:
Year: 1989
Price: $42.00



Subjects

632 .	Quality Assurance

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Reviews - Synopsis - Dust Jacket

Benchmarking is the master key to becoming the best. This is the most authoritative reference on what benchmark all about. Detailed examples, case histories, and personal tips will effectively launch you on your quest to be the b Contains more than 50 tables and figures.

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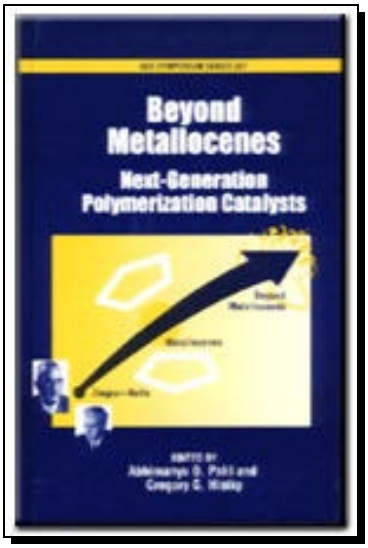
Title	Location	Edition / Series / Misc.

1527 **Beyond Metallocenes: Next-Generation Polymerization Catalysts (ACS Symposium Series 857)**

Author: Abhimanyu O. Patil and Gregory G. Hlatky, eds.
Publish.: American Chemical Society
- place:
- date: 2003
Subject: Polymer Science - Recommend this Site
Desc: 262 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841238383
Shelf

Edition:
Series:
Year: 2003
Price: $105.00



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610 .	Polymer Science
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Complexes of Amine Phenolate Ligands as Catalysts for Polymerization of
Alpha-Olefins
Modeling and Catalytic Performance of Group 4 Metal Complexes with
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Novel Way to Polyesters
Copolymerization of Ethylene and Acrylates by Nickel Catalysts
Trends in Alkene Insertion in Late- and Early-Transition Metal
Compounds: Relevance to Transition Metal-Catalyzed Polymerization of Polar
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Theoretical Studies on the Polymerization and Copolymerization
Processes Catalyzed by the Late-Transition Metal Complexes
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Reviews - Synopsis - Dust Jacket

Since the late 1980s there have been tremendous advances in the design and use of organometallic complexes as precatalysts for olefin polymerization. More recently, an intense search has been started for alternative catalysts. New approaches have been taken to ligand design. This research has yielded extraordinary results, such as catalysts with activities as high as or higher than those of conventional metallocenes, stereospecific and living polymerizations, and remarkable new polymer structures such as highly-branched ethylene homopolymers. This volume presents some of the recent disclosures in this exciting and rapidly expanding field, featuring papers by some of the leading investigators.From the Preface: "...An increasing recogniti exists that these roles
[of the cyclopentadienyl groups] can more than adequately be filled by many other stable ancillary ligands. This and the already crowded, murky patent picture in metallocene catalysts have impelled investigators both in academia and industry to seek new single-site catalysts that share the advantages of metallocene systems, but that do not contain cyclopentadienyl groups. We term this new family of catalysts

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next-generationTarget Audience: Academic and industrial researchers, as well as upper-level students, focusing on advanced polymerization methods.

Binder Migration in Paper and Paperboard Coatings

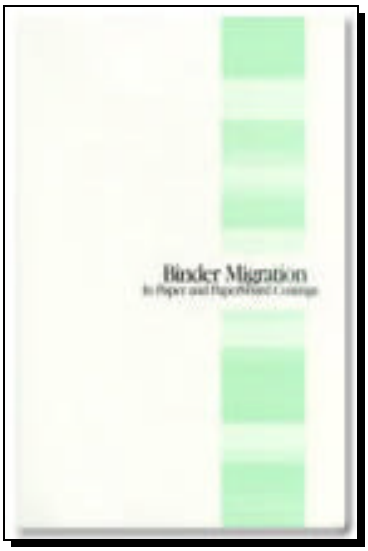
Title	Location	Edition / Series / Misc.

1092 **Binder Migration in Paper and Paperboard Coatings**

Author: Michael J. Whalen-Shaw, ed.
Publish.: TAPPI Press
- place:
- date: 1993
Subject: Additives - Coating Processes - Inks and Coatings - Paper and
Desc: 140 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 898522706
Shelf

Edition:
Series:
Year: 1993
Price: $55.00



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Computer-aided Modeling of Binder Migration
Fundamentals and Strategies
Effect of Drying
Effect of Printability and Print Quality
Paperboard
Detection and Measurement

Reviews - Synopsis - Dust Jacket

Nonuniform binder distribution along the surface of coated paper, called binder migration, is a problem that has plagued the papermaking and printing industries for years. This book offers a fundamental understanding of binder migration. It also covers how binder migration happens, what factors cause or influence it, strategies to use in controlling it, and how binder migration affects printing and gluing.From the Preface: "...Few topics in the coating of paper and paperboard have received the intensity of examination as has binder migration. For more than 50 years, this phenomenon has eluded an encompassing theory that relates to product performance. Industry has often lived with consequential printing problems resulting from lack of its control...This monograph is intended to be a scholarly work which will give the reader the opportunity to reach a current level of understanding..."Target Audience: Paper and paperboard printers and converters; raw material and substrate suppliers; and students and researchers pursuing knowledge in this field.

Subjects

235 .	Coating processes
603 .	Inks and Coatings
611 .	Additives

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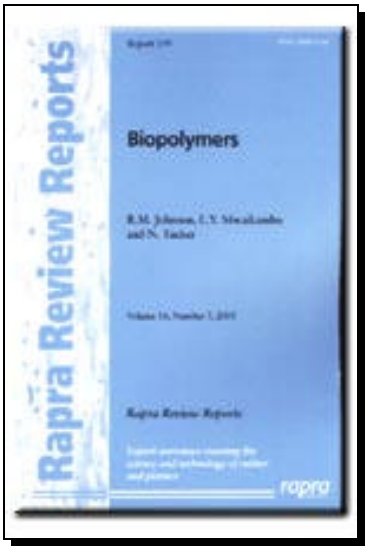
Title	Location	Edition / Series / Misc.

1521 **Biopolymers (Rapra Review Report 159)**

Author: R.M. Johnson, L.Y. Mwaikambo, and N. Tucker
Publish.: Rapra
- place:
- date: 2003
Subject: Polymer Science - Biopolymers and Medical Applications - Health,
Desc: 148 p, 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859573797
Shelf

Edition:
Series:
Year: 2003
Price: $128.50



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610 .	Polymer Science
622 .	Biopolymers and Medical Applications
623 .	Health, Safety, and the Environment

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Commercially Available Biopolymers
Uses of Biopolymers
Manfuacturing Technologies for Biopolymers
Fillers and Reinforcements for Biopolymers
The Markets and Economics of Biopolymers
Compostability Certification
The Chemistry and Biology of Polymer Degradation
Conclusions
Additional References
References from the Polymer Library Database
Subject Index

Reviews - Synopsis - Dust Jacket

This review sets out to examine the current trends in the science of biopolymers — materials which, ideally, are both of renewable biological origin and are able to biodegrade at the end of their intended lifespan. Various types of biological polymers are discussed, along with the chemistry and synthesis of some key biopolymers, including cellulose, hemicellulose, starch, polyhydroxyalkanoates (of biological origin), tannins (polyphenolic plant products), cashew nut shell liquid, tree sap rosins, lignin, and man-made polylactides.From the Introduction: “This review is a survey of the latest stage in the emergence of a type of polymer with perceived low environmental impact. These polymers are called with varying degrees of accuracy biopolymers, bioplastics, environmentally degradable polymers (EDP), or natural polymers. Biopolymers are polymers that are either biological (but non-fossil) in origin, or susceptible to digestion by microorganisms or chemical breakdown in the environment (e.g., hydrolysis), or ideally, both. Such materials address the criticism that plastics, whilst undoubtedly useful, are made from irreplaceable fossil raw materials, and though durable, are difficult to dispose of at the end of useful life...”Rapra Review Reports contain a brief overview topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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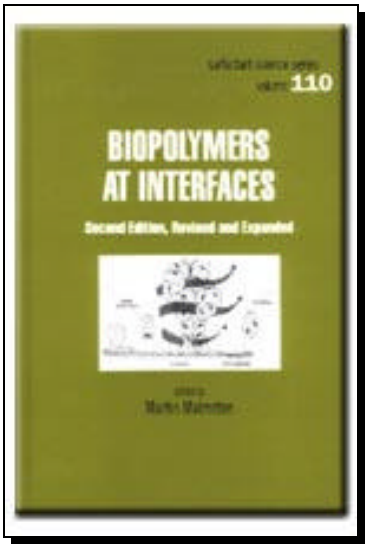
Title	Location	Edition / Series / Misc.

1120 **Biopolymers at Interfaces, 2nd Ed.**

Author: Martin Malmsten, ed.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Biopolymers and Medical Applications - Colloids and Emulsions - Surfactants
Desc: 920 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824708636
Shelf

Edition:
Series:
Year: 2003
Price: $205.00



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600 .	Interfacial Engineering and Surface Science
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622 .	Biopolymers and Medical Applications

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Quantitative Modeling of Protein Adsorption
Interfacial Behavior of Protein Mutants and Variants
Orientation and Activity of Immobilized Antibodies
Interactions Between Surfaces Coated with Carbohydrates, Glycolipids, and Glycoproteins
Protein Adsorption Kinetics
Mobility of Biomolecules at Interfaces
Protein Adsorption in Relation to Solution Association and Aggregation
Mechanism of Interfacial Exchange: Phenomena for Proteins Adsorbed at Solid—Liquid Interfaces
Interactions Between Proteins and Surfactants at Solid Interfaces
Toward Functionalized Polyelectrolyte Biofilms
Self-Assembly of Functional Protein Multilayers: From Planar Films to Microtemplate Encapsulation
Biological Activity of Adsorbed Proteins
Protein Interactions with Monolayers at the Air—Water InterfaceMethods:
Local and Global Optical Spectroscopic Probes of Adsorbed Proteins
Proteins on Surfaces: Methodologies for Surface Preparation and Engineering Protein Function
Studies on the Conformation of Adsorbed Proteins with the Use of Nanoparticle Technology
Scanning Calorimetry in Probing the Structural Stability of Proteins at Interfaces
Ellipsometry and Reflectometry for Studying Protein Adsorption
Surface Plasmon Resonance Spectroscopies for Protein Binding Studies at Functionalized Surfaces
Neutron Reflection Study of Protein Adsorption at the Solid—Solution Interface
XPS, ToF-SIMS, and MALDI-MS for Characterizing Adsorbed Protein FilmsApplications:
Interaction of Proteins with Polymeric Synthetic Membranes
Protein Adsorption in Intravenous Drug Delivery
Control of Protein Adsorption in Solid-Phase Diagnostics and Therapeutics
Protein Interfacial Behavior in Microfabricated Analysis Systems and Microarrays
Protein Adsorption in the Oral Environment
Adsorbed Biopolymers: Behavior in Food Applications
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Reviews - Synopsis - Dust Jacket

This revised and updated second edition of
Interfaces
research contributions from nearly 60 of the profession's most

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distinguished international authorities. It discusses biopolymer-based multilayer structures and their application in biosensors; the progress being made in the understanding of protein behavior at the air—water interface; experimental findings in ellipsometry and reflectometry; recent developments concerning protein interfacial behavior in microfabricated total analysis systems and microarrays; surface plasmon resonance spectroscopies for protein binding studies at functionalized surfaces; and more.From the Preface: "...In recent years, there has been continued progress in our understanding of the basics of biopolymer interfacial behavior, and new experimental methods are being developed and applied for further investigation. Furthermore, the role of biopolymer interfacial behavior in numerous applications is progressively becoming better understood, and at the same time new and exciting application areas are emerging..."Target Audience: Surface, colloid, and interfacial scientists; biologists; biochemists; and other researchers concerned with biopolymer interfacial behavior.

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Characterisation of Polymers by Thermal Analysis

Title	Location	Edition / Series / Misc.
1531 **Characterisation of Polymers by Thermal Analysis**		*Edition:*
Author: Wim Groenewoud	*Dynix:*	*Series:*
Publish.: Elsevier	*Call No.:*	
- place:	*ISBN:* 444506047	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Polymer Characterization - Recommend this Site		*Price:* $155.00
Desc: 394 p, 6.5 x 9.5 Hardcover		

Subjects

613 .	Polymer Characterization
715 .	Recommend this Site

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Differential Scanning Calorimetry
Thermogravimetric Analysis
Thermodilatometry
Dynamic Mechanical Analysis
Thermo-Electrometry
Coupled Thermal Analysis Techniques
Chemical Structure/Physical Properties Correlations
Tg Values of Polymers with Double Bonds in the Main Chain and Tg Values of Non-Polar Polymers with Side Chains
Characterisation of Polyketone Polymer Systems by Thermal Analysis Techniques
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Reviews - Synopsis - Dust Jacket

Thermal analysis (TA) offers an indispensable family of analytical techniques to the polymer researcher. Recent advances in the understanding of structure—property relationships in polymers, in tandem with a tempestuous development of TA measuring techniques and ever-increasing automation of the testing process, as well as an improved understanding of the fundamental theory that underlies thermal analysis and the data it produces, have brought these methods to the forefront of polymer analysis. This book illuminates the various techniques, with a primary focus on polymer material properties, rather than on test methodology per se.From the Preface: "...This story illustrates the h technological development [of thermal analysis] during the last forty years...The three `classic' TA techniques are DSC, TGA and TMA, of which DSC is still the `workhorse'. TA is also covering, however, a substantial number of other techniques and applications and several of these techniques are described in this book. This book is not a comprehensive textbook about TA but more a survey of the author's work during many years, at the Koninklijke Shell Laboratorium in Amsterdam..."Target Audience: Researchers and technologists concerned with the application of thermal analysis to polymer substances.

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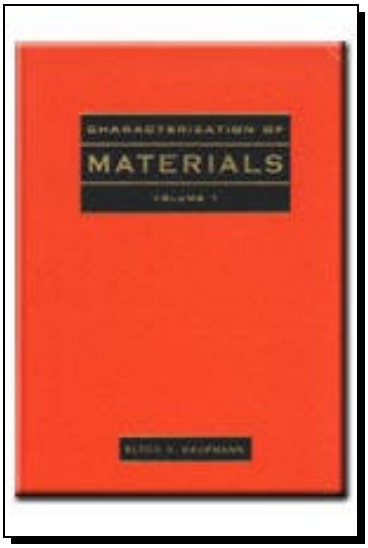
Title	Location	Edition / Series / Misc.

1503 **Characterization of Materials (2 Volume Set)**

Author: Elton N. Kaufmann, ed.
Publish.: Wiley - Interscience
- place:
- date: 2003
Subject: Materials Science - General Reference
Desc: 1420 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 471268828
Shelf

Edition:
Series:
Year: 2003
Price: $345.00



Subjects

604 .	General Reference
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

This two volume set (formerly
provides comprehensive up-to-date coverage of standard to cutting-edge
materials characterization techniques, including computational and
theoretical methods as well as crystallography, mechanical testing,
thermal analysis, optical imaging, spectroscopy, and more. The panoply of
methods presented in
reference work widely applicable in the diverse field of materials
research, regardless of discipline or ultimate application.From the Preface: "...[W]e have chosen a less intuitive
taxonomy by
arranging the content according to the type of measurement `probe' upon
which a method relies...First among our objectives is to help the
researcher discriminate among alternative measurement modalities that may
apply to the property under study. The field of possibilities is often
very wide, and although excellent texts treating each possible method in
great detail exist, identifying the most appropriate method before delving
deeply into any one seems the most efficient approach..."Target Audience: Materials researchers, engineers, educ
and
upper-level students.Brief Table of Contents:
Volume 1:Common Concepts
Computation and Theoretical Methods
Mechanical Testing
Thermal Analysis
Electrical and Electronic Measurements
Magnetism and Magnetic Measurements
Electrochemical TechniquesVolume 2:
Optical Imaging and Spectroscopy
Resonance Methods
X-Ray Techniques
Electron Techniques
Ion-Beam Techniques
Neutron Techniques
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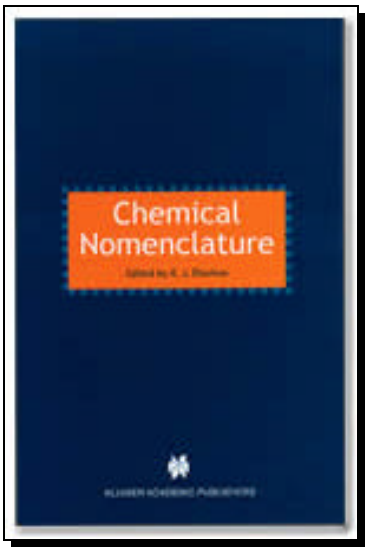
Title	Location	Edition / Series / Misc.

1271 **Chemical Nomenclature**

Author: K.J. Thurlow, ed.
Publish.: Kluwer Academic
- place:
- date: 1998
Subject: General Reference - Health. Safetv. and the Environment - Materials
Desc: 260 p, Hardcover

Dynix:
Call No.:
ISBN: 751404756
Shelf

Edition:
Series:
Year: 1998
Price: $158.50



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604 .	General Reference
609 .	Materials Science
623 .	Health, Safety, and the Environment

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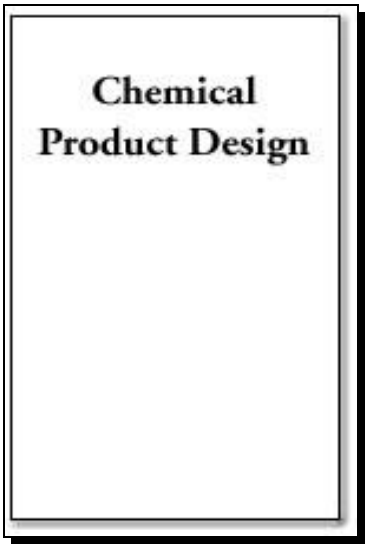
Title	Location	Edition / Series / Misc.
1312 **Chemical Product Design**		*Edition:*
Author: E.L. Cussler and G.D. Moggridge	*Dynix:*	*Series:*
Publish.: Cambridge University Press	*Call No.:*	
- place:	*ISBN:* 521796334	
- date: 2001	*Shelf*	*Year:* 2001
Subject: General Reference - Recommend this Site		*Price:* $23.50
Desc: 248 p, 7 x 10 Paperback		



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An Introduction to Chemical Product Design
Needs
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Specialty Chemical Manufature
Economic Concerns
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Reviews - Synopsis - Dust Jacket

The chemical industry has seen a significant sector shift — from bulk commodity items to specialty, high value-added chemical products such as pharmaceuticals, cosmetics, and electronic coatings. This has had a direct impact on the requirements of professionals in the field; still, training programs for chemical engineers have largely remained static.Chemical Product Design scope of chemical engineering design to encompass both process design and product design. It draws numerous examples from industry to illustrate the presentation of a clear four-step (needs/ideas/selection/manufacture) paradigm for chemical product design which is conducive to the successful development of higher margin product lines.From the Preface: "...Chemical products [as opposed to commodities] produced in small quantities. The archetype is the active ingredients of drugs, only a few kilograms of which may be required annually to command a market worth millions of dollars...A company's advantage is often sustained by patent protection, or it may rely on trade secrets and a technological lead. This differentiation makes chemical products vulnerable to improved competition: patents may expire; the competition's technology may get better. As a consequence, chemical products are expected to have a short lifetime; typically a decade or less."Target Audience: Chemical engineering students and beginning chemical engineers.

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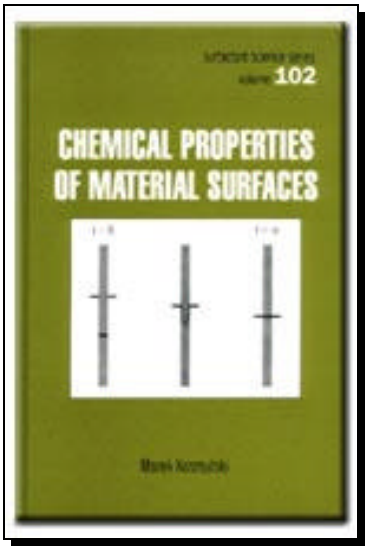
Title	Location	Edition / Series / Misc.

1317 **Chemical Properties of Material Surfaces**

Author: Marek Kosmulski
Publish.: Marcel Dekker
- place:
- date: 2001
Subject: Surface Characterization and Analysis - Interfacial Engineering and
Desc: 768 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824705602
Shelf

Edition:
Series:
Year: 2001
Price: $195.00



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Activated Carbon
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Reviews - Synopsis - Dust Jacket

This authoritative reference discusses the adsorption of inorganics from aqueous solution on inorganic adsorbents and emphasizes the relationship between adsorption and surface charging. It highlights simple and complex adsorption systems sorted by the adsorbent as well as the adsorbate.Chemical Properties of Material Surfaces comprehensive and current collection of pristine PZC of different materials. It covers crystal structure, methods of perparation, impurities in the solid, temperature and ionic composition of the solution, experimental methods to determine PZC, and the correlation between zero points and other physical quantities. It discusses adsorption of inorganic ions on silica, specific salts, metal oxides, and hydroxides; surface charging in inert electrolytes; ternary surface complexes and multiple surface species; surface heterogeneity; and more.Target Audience: Colloid, surface, physical, polymer, chemical, environmental chemists; chemical engineers; material scientists; and upper-level undergraduate and graduate students in these disciplines.

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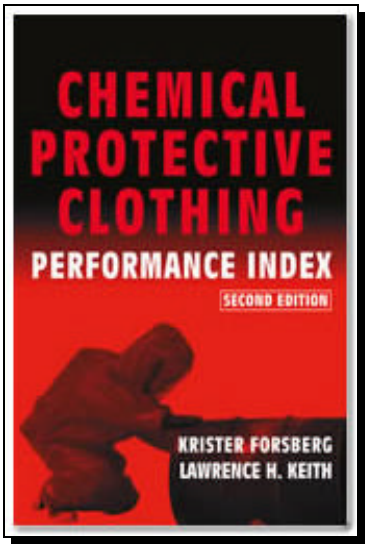
Title	Location	Edition / Series / Misc.

1258 **Chemical Protective Clothing Performance Index, 2nd Ed.**

Author: Krister Forsberg and Lawrence H. Keith
Publish.: Wiley - Interscience
- place:
- date: 1999
Subject: Health. Safety. and the Environment - Recommend this Site
Desc: 650 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471328448
Shelf

Edition:
Series:
Year: 1999
Price: $133.50



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715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This resource provides industrial hygienists and workplace safety professionals with the most complete, up-to-date, reliable information on chemical protective clothing. This revised and updated edition expands the range of data covered in terms of materials and their ability to protect human health and safety. Coverage spans test records from manufacturers worldwide, including permeation and degradation data obtained with ASTM methods as well as other regulatory standards. All told, over 10,500 chemical permeation tests are reported, presenting some 50,000 data entries on subjects such as test material, thickness, permeation rates, breakthrough times, permeation index numbers, and references.From the Introduction: “This printed book was prod
from data
derived from
was developed to provide a technical basis for selecting chemical protective clothing (CPC). The objective of both publications is to provide the best possible information currently available regarding resistance of CPC to a wide variety of chemicals. The book, and the electronic database, are the world's largest international sources of chemical permeation and degradation data and have become the industry standard in this field...”Target Audience: Industrial hygienists and other workplace safety professionals, as well as developers of chemical protective clothing.

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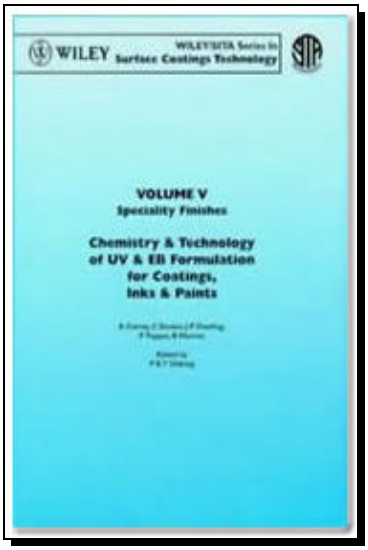
Title	Location	Edition / Series / Misc.

1123 **Chemistry & Technology of UV & EB Formulation for Coatings, Inks & Paints, Vol. 5: Speciali**

Author: P.K.T. Oldring, ed.
Publish.: Wiley - SITA Technology
- place:
- date: 1997
Subject: Inks and Coatings - Adhesives and Adhesion - Paints and Protective
Desc: 272 p, 6.5 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471978809
Shelf

Edition:
Series:
Year: 1997
Price: $113.50



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Ultra-Violet Light Curable Adhesives
Chemical Amplification in Polymer Photoimaging Systems
Formulations for Cationic Radiation Curable Coatings
Laser Curing, Imaging and Polymerisation Kinetics
Index

Reviews - Synopsis - Dust Jacket

This volume presents information on UV curable adhesives; chemical- and photo-amplification systems; laser curing, imaging, and polymerisation kinetics; laser curable formulations; raw material sources; and more. It includes 19 starting point formulations for cationic radiation curable coatings.Target Audience: Any technologist, formulator, researcher or student concerned with UV and EB cured systems and their applications.

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603 .	Inks and Coatings
606 .	Adhesives and Adhesion
617 .	Paints and Protective Coatings

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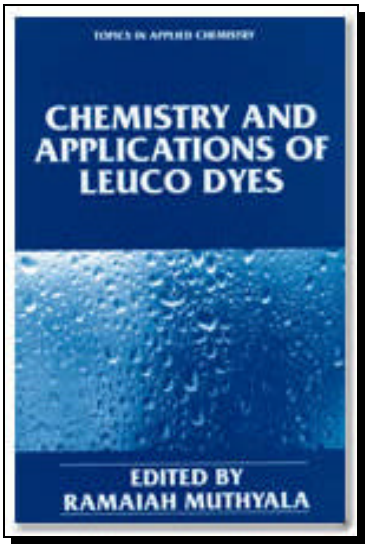
Title	Location	Edition / Series / Misc.

1181 **Chemistry and Applications of Leuco Dyes**

Author: Ramaiah Muthyala, ed.
Publish.: Plenum Press
- place:
- date: 1997
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analys
Desc: 320 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 306454599
Shelf

Edition:
Series:
Year: 1997
Price: $143.50



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618 .	Color Theory, Testing, and Analysis
626 .	Pigments, Dyes, and Colorants

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Leuco Quinine Dyes
Thiazine, Oxazine, and Phenazine Leuco Dyes
Synthesis and Properties of Phthalide-type Color Formers
The Chemistry of Leuco Triarylmethanes
The Chemistry of Fluoran Leuco Dyes
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Reviews - Synopsis - Dust Jacket

Contributions by scientists working in international laboratories provide the reader with synthetic data and high-technology applications of leuco dyes. The focus is on leuco dye classes that exhibit reasonable stability — the book discusses photochromic materials that have wide-ranging applications in memory technology, leuco dyes for color photography, and a special class of dyes formulated by reduction rather than the oxidation process.From the Preface: "...Leuco dyes now play an ever-increasing role in modern applications, e.g., imaging, display, and memory technologies; and in analytical and biological sciences. The use of the term leudo dye is a common paradox. Leuco color formers are materials that undergo controlled chemical or physical changes resulting in a shift from a colorless state to an intense color. The preparation of leuco color formers takes advantage of the very nature of colored materials themselves..."Target Audience: Any reader interested in the role played by leuco dyes in high-tech applications.

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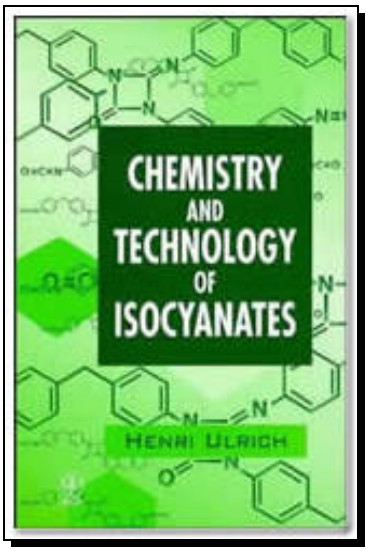
Title	Location	Edition / Series / Misc.

1236 **Chemistry and Technology of Isocyanates**

Author: Henri Ulrich
Publish.: John Wiley & Sons
- place:
- date: 1996
Subject: Polymer Science - Adhesives and Adhesion - Paints and Protective
Desc: 502 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471963712
Shelf

Edition:
Series:
Year: 1996
Price: $276.50



Subjects

606 .	Adhesives and Adhesion
610 .	Polymer Science
617 .	Paints and Protective Coatings

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Reviews - Synopsis - Dust Jacket

This comprehensive book explores isocyanate chemistry and technology, highlighting industrial applications in a variety of end markets, including foam, coatings, adhesives, polymer networks, and biomedical polymers. Current and future environmental issues are reviewed, with discussions of safe handling, toxicity, recycling, and synthesis from renewable resources.From the Preface: "...[P]olyurethane products range from cellular materials, such as flexible foams for seating applications and rigid insulating foams, to coatings, adhesives, sealants and elastomers...Often isocyanates are used as building blocks for agricultural and pharmaceutical chemicals, and they are also useful blocking agents for functional groups, which can be of interest in peptide chemistry. The future of this vibrant field with endless possibilities for new and unique applications remains bright."Target Audience: Researchers and technologists in industry and academia who are concerned with the chemistry of isocyanates, and their applications in polymer and biochemistry.

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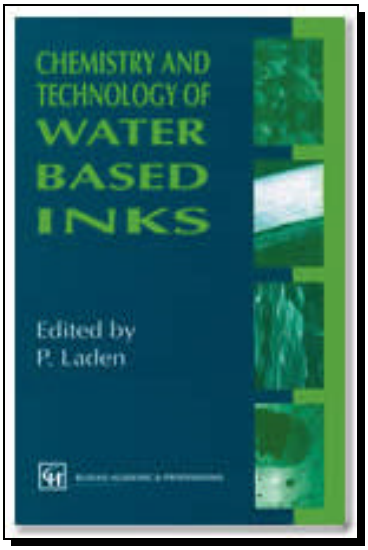
Title	Location	Edition / Series / Misc.

1174 **Chemisty and Technology of Water Based Inks**

Author: Patrick Laden, ed.
Publish.: Blackie Academic & Professional
- place:
- date: 1997
Subject: Inks and Coatings - Additives - Color Theory, Testing, and Analysis
Desc: 359 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 75140165
Shelf

Edition:
Series:
Year: 1997
Price: $238.50



Subjects

603 .	Inks and Coatings
611 .	Additives
618 .	Color Theory, Testing, and Analysis

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Flexographic Printing Presses
Pigments
Carbon Black
Solvents
Emulsion and Solution Polymers
Additives
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Particle Size Reduction of Pigments Using a Small Media Mill
Dispersion of Low Viscosity Water Based Inks
Appendix A: Troubleshooting Guide
Appendix B: Typical Starting Formulations for Water Based Inks
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Appendix D: Addresses of U.S. Suppliers of Materials Used in Water Based Inks
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Reviews - Synopsis - Dust Jacket

Worldwide environmental legislation limiting the use of earlier-generation solvent based ink systems has resulted in the development of a more environmentally safe alternative utilizing water based technologies. This has resulted in an enormous research and development effort by a multiplicity of related industries. The rapid pace of change makes it difficult for the ink chemist to keep abreast of important advances.Chemistry and Technology of Water Based Inks foundation in all aspects of the water based ink industry, from color theory and perception to starting point formulations for different end-use applications. With attention to some of the most difficult problem areas in formulation and development, this best-seller offers a working knowledge of the field. Highly recommended.From the Preface: “This book has been a long time in the making. Sir its beginning the concept has been refined many times...I have been involved in water based ink evaluation since its unclear beginning in the early 1970s. This book is fashioned much like a loose-leaf binder I had put together for early reference and guidance. The format has worked for me over the years; I trust it will work for you...”Target Audience: Chemists, formulators, engineers, quality personr and other professionals formulating or using water-based inks, as well as suppliers to, and students of, the industry.

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Clean Solvents: Alternative Media for Chemical Reactions and Processing (ACS Symposium Series 819)

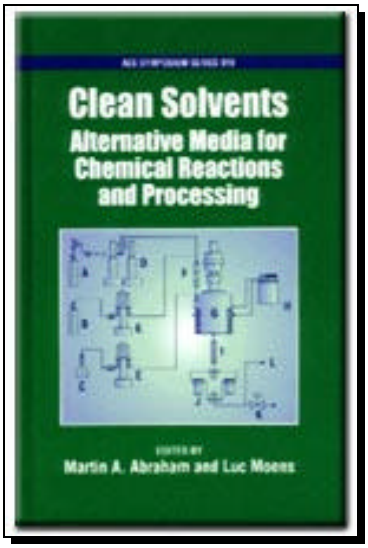
Title	Location	Edition / Series / Misc.

1411 **Clean Solvents: Alternative Media for Chemical Reactions and Processing (ACS Symposium S**

Author: Martin A. Abraham and Luc Moens, eds.
Publish.: American Chemical Society
- place:
- date: 2002
Subject: Solubility and Surfactants - Health, Safety, and the Environment
Desc: 286 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841237794
Shelf

Edition:
Series:
Year: 2002
Price: $105.00



Subjects

605 .	Solubility and Surfactants
623 .	Health, Safety, and the Environment

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Reusable Reaction Systems Derived from Fluorous Solvents or Ionic Liquids and Catalysts
Enzyme Activity Using a Perfluoropolyether-Modified NAD(H) in Fluorous Solvents and Carbon Dioxide
Separation of Species for Ionic Liquids
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Developing Green Chemistry: Organometallic Reactions in Aqueous Media
Organic Reactions in Water and Other Alternative Media: Metal-Mediated Carbon—Carbon Bond Formations
Micellar Catalysis as a Clean Alternative for Selective Epoxidation Reactions
Aqueous Polyglycol Solutions as Alternative Solvents
Greener Solvent Selection under Uncertainty
Dibasic Ester: A Low Risk, Green Organic Solvent
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Reviews - Synopsis - Dust Jacket

This volume, comprised of papers originally presented at an American Chemical Society Symposium held in August, 2000, focuses on the use of clean solvents for chemical processes, with an emphasis on chemical reactions. Eight of the 17 chapters discuss ionic liquids or super- and subcritical carbon dioxide; the balance of the collection addresses a broad range of issues.From the Preface: "...We believe this is the first volume to cover the wide range of clean solvents that can be used for industrial processes, and the first to describe the benefits of these alternative solvents in the context of conventional technologies. Our goal was to produce a volume comprising chapters describing frontier chemistry that can serve as a starting point for educating researchers who are new to the field. Although previous volumes have focused on an individual solvent system, we are unaware of any books that discuss all of the clean solvent systems in a single volume..."Target Audience: Chemical, process, design, applications, and environmental engineers; as well as academic and industrial researchers who are interested in alternative solvent systems in which to conduct chemical syntheses.

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Title	Location	Edition / Series / Misc.

1413 **Coated and Laminated Textiles**

Author: Walter Fung
Publish.: CRC Press
- place:
- date: 2002
Subject: Textiles and Nonwovens - Coating Processes - QA/QC. Statistics.
Desc: 416 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 849314487
Shelf

Edition:
Series:
Year: 2002
Price: $151.50

Subjects

235 .	Coating processes
607 .	QA/QC, Statistics, and Testing
631 .	Textiles and Nonwovens

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Materials and their Properties
Production Methods
Products from Coated and Laminated Fabrics
Testing, Product Evaluation and Quality
Coating and Laminating Effects on the Environment
Future Developments and Outlook
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Reviews - Synopsis - Dust Jacket

Coating and laminating processes are widely used to improve and modify the physical properties and appearance of fabric. They have also facilitated the development of entirely new products and have led to innovations in the area of “smart” materials. Coating and lamination cuts across virtually every product group in the textile industry, including composites, where the potential is especially broad. This book bridges the gap between the two disciplines — textile technology and polymer chemistry — which drive successful development of coated and laminated textile products. It also discusses fabric impregnation and foam finishing.Considerable attention is given to environmentall resposible handling and disposal of materials such as solvent- and water-based resins and adhesives, films, foams, and hot melt adhesives. Product descriptions, production methods, test methodology, and standards are discussed in detail. With applications in apparel, medical, military, and industrial applications, reference source.From the Preface: "...The book is written in a clear, concise manner — generally free of intimidating (for the layman) chemical formulae and mathematical equations. Little previous knowledge of the industry or subject is assumed, but it is hoped that the underlying scientific principles are explained adequately for readers to understand why compounds contain different ingredients and why it is important to set processing conditions carefully and adhere to them. Included in the book are properties of materials, details of material preparation and actual processing conditions..."Target Audience: Technologists; chemists; manufacturing, research, process and quality engineers; and upper-level students concerned with coating and lamination.

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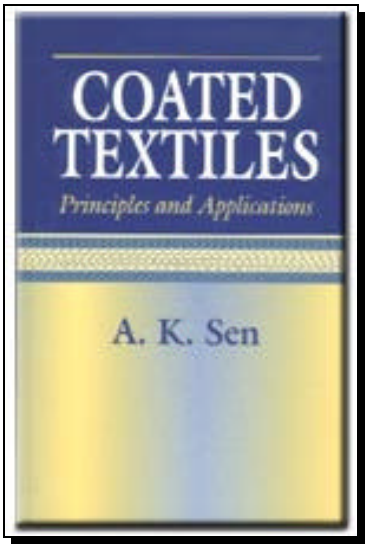
Title	Location	Edition / Series / Misc.

1377 **Coated Textiles: Principles and Applications**

Author: Ashish Kumar Sen
Publish.: Technomic
- place:
- date: 2001
Subject: Textiles and Nonwovens - Coating Processes - Inks and Coatings
Desc: 246 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1587160234
Shelf

Edition:
Series:
Year: 2001
Price: $123.50



Subjects

235 .	Coating processes
603 .	Inks and Coatings
631 .	Textiles and Nonwovens

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Rheology of Coating
Fabrics for Foul Weather Protection
Nonapparel Coating
High-Tech Applications
Test Methods
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Reviews - Synopsis - Dust Jacket

Worldwide, the production of coated fabrics for defense alone is a multi-billion dollar business, yet the interdisciplinary nature of the field has left the published work scattered throughout the polymer science, textile technology, and chemical engineering literature.Coated Textiles: Principles and Applications comprehensive text on coated fabrics technology — is valuable both as a reference and as a stimulus for developing new and improved coated textile products. It presents detailed examinations of the chemistry, processing, properties, and applications of each coating material; each substrate material is also examined individually. There are also discussions of coating methods, physical properties, rheology, and testing techniques. A broad range of end-use applications are considered.From the Preface: “Coated textile applications are found in defe transportation, healthcare, architecture, space, sports, environmental pollution control, and many other diverse end-product uses...Extensive research is being done on a global basis, and many new products, such as breathable fabrics, thermochromic fabrics, and charcoal fabrics, are entering the market. The subject is spread over a wide range of literature...with no single comprehensive book available. The motivation to write this book was to fill this void and to create a general awareness of the subject...”Target Audience: Research and development engineers, designers, materials scientists, and industrial and academic textile scientists.

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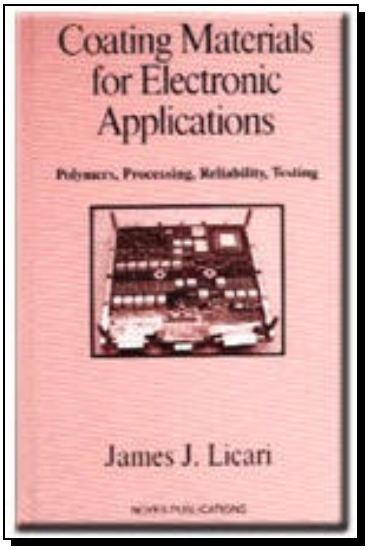
Title	Location	Edition / Series / Misc.

1506 **Coating Materials for Electronic Applications: Polymers, Processing, Reliability, Testing**

Author: James J. Licari
Publish.: Noyes Publications
- place:
- date: 2003
Subject: Paints and Protective Coatings - Coating Processes - Inks and
Desc: 550 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514921
Shelf

Edition:
Series:
Year: 2003
Price: $98.50



Subjects

235 .	Coating processes
603 .	Inks and Coatings
617 .	Paints and Protective Coatings

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Functions and Requirements of Coatings for Electronic Applications
Chemistry and Properties of Polymer Coatings
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Reviews - Synopsis - Dust Jacket

This book (the first in a series on materials and processes for electronic applications) bridges the gap between electronics manufacturing and the material science and polymer chemistry of coatings designed for such uses. It describes the traditional roles of coatings for moisture and environmental protection of printed circuit boards; investigates functional dielectric coatings; elucidates masking, cleaning, and surface preparation methods; reviews over 20 processes for the application and curing of coatings; and discusses OSHA, EPA, and other governmental regulations which have resulted in formulation and process changes.From the Preface: "...Concurrently with chang the economy and government policies, major advances occurred in microelectronics that dictated new applications for materials in general and coatings in particular. High-purity dielectric coatings were developed and used as interlayer dielectrics and as stress buffers at both the IC and multilayer interconnect substrate levels...Photoimageable coatings have also assumed prominence during this period...Processes for cleaning assemblies prior to coating, and processes for dispensing and curing the coatings, have had to be reassessed...Finally, a major effort has occurred in reformulating coatings to meet federal, state, and county regulations on emissions and toxicity..."Target Audience: Electronics design engineers; polymer chemists; process, quality, and reliability engineers; materials scientists; and support staff in both the electronics and polymer coatings industries.

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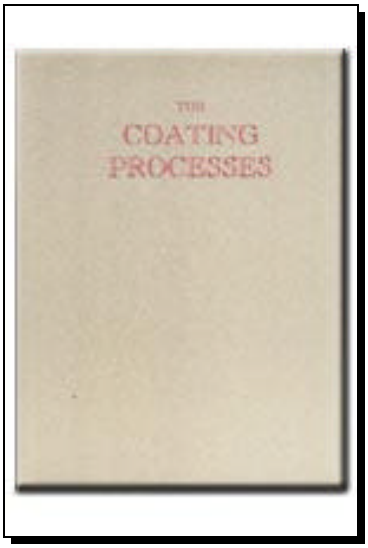
Title	Location	Edition / Series / Misc.
1050 **Coating Processes**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: TAPPI Press	*Call No.:*	
- place:	*ISBN:* 898520584	
- date: 1993	*Shelf*	*Year:* 1993
Subject: Coating Processes - Inks and Coatings - Paper and Paperboard		*Price:* $116.50
Desc: 288 p, 8.5 x 11 Paperback		



Subjects

235 .	Coating processes
603 .	Inks and Coatings
615 .	Paper and Paperboard

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Screening of Paper Coatings and Their Ingredients
Pumps and Circulation Systems
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Raw Material Quality Control
Blade Coaters
Rod Coaters
Air Knife Coaters
Transfer Roll Coaters, A History
Cast Coated Papers
Surface Sizing and Precoating of Basestock
Coated Board
Drying
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Web Handling and Off-Machine Coater Drives
Brush Polishing of Mineral Coated Surfaces
Steel-to-Steel Calendering
Soft-Nip Calendering of Coated Paper and Paperboard
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Statistical Process Control for the Coater Paper Process
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Reviews - Synopsis - Dust Jacket

This overview of paper coating covers fundamentals and practical applications. The authors present information on basestocks, coating formulation and applications, the principles and operation of various types of coating machines, drying, process control, web handling, calendering, and more.From the Preface: "...[T]oday's coating technology [is] documented in this first edition of The Coating Processes. The publication is divided into chapters which emphasize the process of making coated paper, the preparation, application, and drying of coating, and the treatment of the dried coated surface..."Target Audience: Process control, quality, and manufacturing engineers; developers of coatings and coated products; also for academic, industrial, or public libraries.

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Title	Location	Edition / Series / Misc.

1561 **Coatings for Asia '99 Conference Proceedings**

Author:
Publish.:
- place:
- date: 1999
Subject: Proceedings
Desc: 301 pages, soft cover.

Dynix:
Call No.:
ISBN: 0934010471
Shelf

Edition:
Series:
Year: 1999
Price: $93.00

Subjects

633 .	Proceedings

Table of Contents

Reviews - Synopsis - Dust Jacket

This volume contains the keynote presentation, invited lectures and two seminars presented as part of Coatings for '99, held in Singapore, on August 30-September 1, 1999. The 34 presentations include such topics as Drying of Emulsion Paints, Dispersion Optimization of TiO2 in Industrial Paints, Advances in Field Inspection Techniques, and New Procedures for Evaluating and Predicting Long-Term Coatings Performance.

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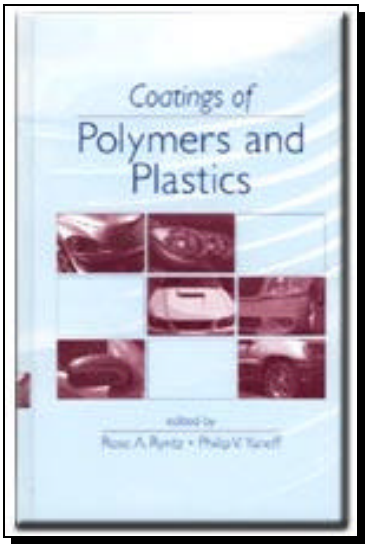
Title	Location	Edition / Series / Misc.

1460 **Coatings of Polymers and Plastics**

Author: Rose A. Ryntz and Philip V. Yaneff, eds.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Paints and Protective Coatings - Recommend this Site
Desc: 370 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824708946
Shelf

Edition:
Series:
Year: 2003
Price: $155.00



Subjects

617 .	Paints and Protective Coatings
715 .	Recommend this Site

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Overview of the Automotive Plastics Market
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Formulating Plastics for Paint Adhesion
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Alternatives to Coatings for Automotive Plastics
Trends in Coatings for Automotive Plastics and Rubber in North America and Europe
Automotive Plastic Coatings in Europe
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Reviews - Synopsis - Dust Jacket

Surveying recent developments in coating polymers and plastics, this book examines materials selection, basic processing mechanics, and process selection based on cost and coating mechanics, molding, and performance and durability assessments. It highlights techniques for salvaging plastics from used vehicles, and compares North American and European techniques for coating plastics in the automotive industry.Coatings of Polymers and Plastics processing technologies used to produce component parts; the conversion of raw materials to plastics; the theory, chemistry, formulation, preparation, and testing of plastics for paint adhesion; the appraisal of painted parts prior to commercialization to optimize appearance, physical properties, durability and performance; procedural and economic considerations in coatings for automotive plastics in Europe, and more.From the Preface: "...This book was born ou the preceived need for a comprehensive work to address decorated plastic components as systems rather than as independent parts. The interplay of resin chemistry, processing technology, and decorating scheme is a complex mix of interrelated events. Treating each event separately often leads to insurmountable issues, from potential decohesion of the plastic to potentially aesthetically displeasing appearance, and even to potential adhesion problems in the field..."Target Audience: Materials, chemical, mechanical, corrosion, industrial, and civil engineers; coatings and plastics scientists and technologists; and upper-level students in these disciplines.

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Coatings Technology Lecturer's Manuals Set

LASCT Holdings - maximum detail by Title **C**

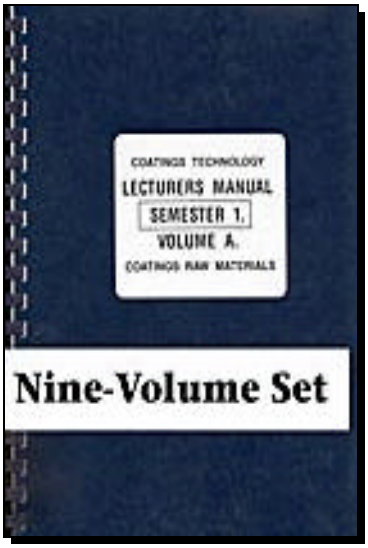
Title	Location	Edition / Series / Misc.

1562 **Coatings Technology Lecturer's Manuals Set**

Author:
Publish.: ITE
- place:
- date:
Subject: Course Books
Desc: Set includes nine softbound books.

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year:
Price: $1,050.00



Subjects

634 .	Course Books

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Reviews - Synopsis - Dust Jacket

Developed to assist in training in basic coatings technology, thee Coatings Technology Lecturers Manuals parallel t material presented in individual texts. Each chapter in the Lecturers Manuals contains reproductions of overhead sli and related comments to assist lecturers in the presentation of the subject.

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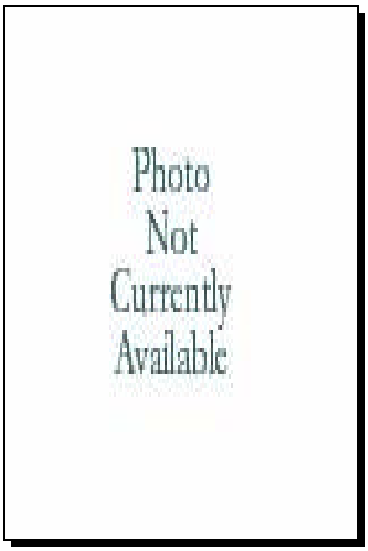
Title	Location	Edition / Series / Misc.

1055 **Coextrusion (Rapra Review Report 62)**

Author: D. Djordjevic
Publish.: Rapra
- place:
- date: 1992
Subject: Extrusion - Converting Technology - Plastic Films - Plastics
Desc: 150 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 90234871
Shelf

Edition:
Series:
Year: 1992
Price: $61.50



Subjects

301 .	Plastic films
598 .	Extrusion
620 .	Converting Technology

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Coextruded Structures
Coextrusion Tools
Coextrusion Dies
Layer Distribution and Instability
Determination of Layer Thickness
Selection of Polymers
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Conclusion and Trends
References from the Rapra Abstracts Database
Subject Index

Reviews - Synopsis - Dust Jacket

This review report discusses sheet and profile extrusion, wire and cable coating, and coinjection. It describes both the rheological and structural considerations and the design and selection of machinery. Problems of layer instability and the measurement of layer thickness are addressed, as well as the selection of polymers and the recyclability of coextruded scrap.From the Introduction: "...With increased interest in coextrusion technology has come the development of new polymers; designed especially for coextrusion as adhesive and barrier polymers, for recycling, and blending with different polymers, etc. There has also been a proliferation of equipment; coextrusion adapters, multimanifold dies, feedblocks and other coextrusion tools, with capabilities to coextrude materials with high viscosity ratios, and varieties of combinations with minimal and rapid changes..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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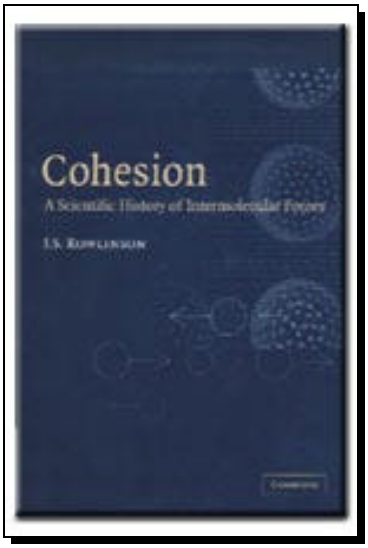
Title	Location	Edition / Series / Misc.

1374 **Cohesion: A Scientific History of Intermolecular Forces**

Author: John S. Rowlinson
Publish.: Cambridge University Press
- place:
- date: 2002
Subject: Interfacial Engineering and Surface Science - General Reference
Desc: 342 p, 6.8 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 521810086
Shelf

Edition:
Series:
Year: 2002
Price: $78.50



Subjects

600 .	Interfacial Engineering and Surface Science
604 .	General Reference

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Reviews - Synopsis - Dust Jacket

This book provides a detailed historical account of how some of the leading scientists of the past three centuries have tried to understand why matter sticks together, why gases condense to liquids, why liquids freeze to solids, and similar questions that ultimately rely on an understanding of molecular cohesion. This topic has been an important component of physical science research for hundreds of years.
A Scientific History of Intermolecular Forces
broad periods of advance in our understanding: the first three focus on Newton, Laplace, and van der Waals, while the final section gives an account of the successful use in the 20th century of quantum mechanics and statistical mechanics to resolve many of the remaining problems.
Recommended.From the Preface: "...The work is based on primary printed sources. A few letters and other informal documents have been used but only if they have already been printed. Secondary sources are given when they refer directly to the matter in hand or when they seem to be particularly useful. No attempt has been made, however, to cite everything that is relevant to the background of the subject since this would have led to the inflation of an already long bibliography..."Target Audience: Historians of science, as well as physicists, physical chemists and students of these disciplines who are interested in the historical origins of our modern day understanding of cohesion.Brief Table of Contents:Introduction and Summary
Newton
Laplace
Van der Waals
Resolution
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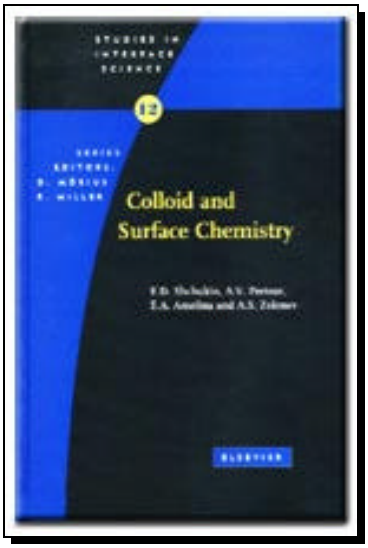
Title	Location	Edition / Series / Misc.
1427 **Colloid and Surface Chemistry**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: Elsevier	*Call No.:*	
- place:	*ISBN:* 444500456	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Scienc		*Price:* $198.50
Desc: 774 p, 6.5 x 9.5 Hardcover		



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions

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The Formation of Disperse Systems
Transfer Processes in Disperse Systems
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General Causes for Degradation and Relative Stability of Lyophobic Colloidal Systems
Structure, Stability and Degradation of Various Lyophobic Disperse Systems
Principles of Physical—Chemical Mechanics
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Reviews - Synopsis - Dust Jacket

This volume covers a variety of topics in colloid and surface science, a broad area at the intersection of chemistry, physics, biology, and materials science which investigates the disperse state of matter and surface phenomena in disperse systems. The book arises from and summarizes years of colloid research performed at Lomonosov Moscow State University (MSU). Throughout, the presentation of fundamental theoretical and experimental approaches and results is combined with discussions of technological applications which are based on the theory. There is extensive coverage of lyophilic and lyophobic systems.From the Preface: "...Special attention is devoted in the bo the broad capabilities that the use of surfactants offers for controlling the properties and behavior of disperse systems and various materials due to the specific physico-chemical interactions taking place at interfaces. At the same time the authors made every effort to avoid duplication of material traditionally covered in textbooks on physical chemistry, electrochemistry, polymer chemistry, etc..."Target Audience: Engineers, technologists, academic and industrial scientists and researchers, and upper-level students working in areas that deal with applications related to disperse systems and interfacial phenomena.

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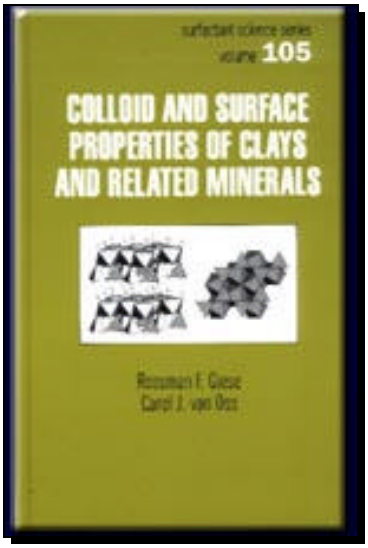
Colloid and Surface Properties of Clays and Related Minerals

Title	Location	Edition / Series / Misc.
1369 **Colloid and Surface Properties of Clays and Related Minerals**		*Edition:*
Author: Rossman F. Giese and Carel J. van Oss, eds.	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 82479527	
- date: 2002	*Shelf*	*Year:* 2002
Subject: Colloids and Emulsions - Materials Science		*Price:* $128.50
Desc: 308 p, 6 x 9 Hardcover		



Subjects

609 .	Materials Science
621 .	Colloids and Emulsions

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Biological Interactions with Mineral Particles
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Reviews - Synopsis - Dust Jacket

This volume focuses on Lifshitz—van der Waals, Lewis acid—base, and electrical double-layer interactions. Studying the first two involves measurement of the contact angles of high energy liquids deposited on solid surfaces, or use of the thin-layer wicking technique to determine the surface properties of flat or particulate solids, respectively. The interfacial free energies that occur in water among identical as well as different condensed-phase materials are derived from these surface properties, giving rise to hydrophobic attractions and hydrophilic repulsions.Colloid Surface Properties of Clays and Related Minerals explores the distinction between polar and apolar interactions. It discusses surface properties of silica minerals, feldspars, carbonates, phosphates, sulfates, and amphibole, as well as serpentine asbestos species; analyzes the stability of aqueous suspensions of clays and other mineral particles; examines simple oxides, halides, hydroxides, and pyroxenes; covers electrophoresis and electroosmosis; clarifies protein and polymer adsorption; and more.From the Preface: "...The surface thermodynamic data on minerals are presented in Chapter 9. Clearly, not all minerals have been examined. The study of the surface chemistry of minerals is still young, so there are a number of minerals and mineral groups which have not yet been examined. It is the hope of the authors that the present volume will stimulate others to expand our knowledge..."Target Audience: Geologists; mining engineers; mineralogists; physical, surface, colloid, and polymer chemists and biochemists; and chemical engineers.

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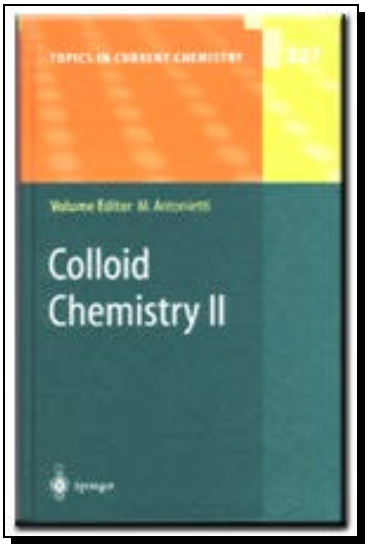
Title	Location	Edition / Series / Misc.

1536 **Colloid Chemistry II**

Author: Markus Antonietti, ed.
Publish.: Springer
- place:
- date: 2003
Subject: Colloids and Emulsions - Recommend this Site
Desc: 240 p, 6 x 9.3 Hardcover

Dynix:
Call No.:
ISBN: 3540004181
Shelf

Edition:
Series:
Year: 2003
Price: $166.50



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Hollow Inorganic Capsules via Colloid-Templated Layer-by-Layer Electrostatic Assembly
Biorelevant Latexes and Microgels for the Interaction with Nucleic Acids
Preparation of Monodisperse Particles and Emulsions by Controlled ShearIndex

Reviews - Synopsis - Dust Jacket

This volume focuses on supramolecular approaches and new approaches towards polymer colloids, with additional emphasis on biological and biomedical applications. The specific topics chosen are intended to have broad relevance in the field of colloid science, which offers chemists the ability to create chemical nanostructures in a rational way.From the Preface: “Over the past forty years, good-old fashioned colloid chemistry has undergone something of a revolution, transforming itself from little more than a collection of qualitative observations of the macroscopic behavior of some complex systems into a discipline with a solid theoretical foundation and a whole toolbox of new chemical techniques. It can now boast a set of concepts which go a long way towards providing an understanding of the many strange and interesting behavior patterns exhibited by natural and artificial systems on the mesoscale...”Target Audience: Industrial and academic researchers and technologists, as well as upper-level students, who are concerned with colloid chemistry.

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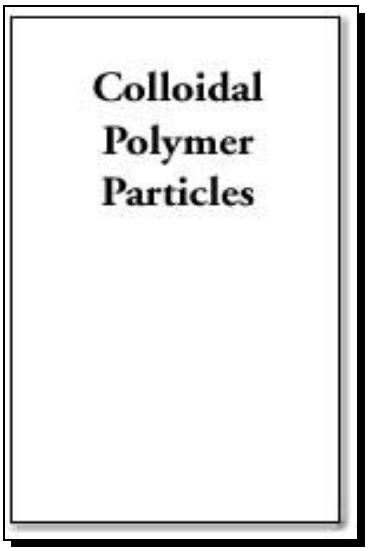
Title	Location	Edition / Series / Misc.
1084 **Colloidal Polymer Particles**		*Edition:*
Author: J.W. Goodwin and R. Buscall, eds.	*Dynix:*	*Series:*
Publish.: Academic Press	*Call No.:*	
- place:	*ISBN:* 122900456	
- date: 1995	*Shelf*	*Year:* 1995
Subject: Colloids and Emulsions - Biopolymers and Medical Applications -		*Price:* $108.50
Desc: 347 p, 6 x 9 Hardcover		



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617 .	Paints and Protective Coatings
621 .	Colloids and Emulsions
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Reviews - Synopsis - Dust Jacket

The field of polymer colloids is a particularly fertile one with interest changing from natural latex to a wide variety of synthetic latices reflecting the use of these materials in an increasingly large number of novel applications. This book presents research on proteins, polymers, polyelectroytes, and surfactants which interact strongly with the surface of polymer latex particles. Topics include interface thermodynamics, permeation through polymer latex films, mechanical properties of composite polymer layer films, colloid titrations, and oscillatory low of suspensions.From the Preface: "...The contents of this volume reflects [a] wide interest with chapters ranging from the preparation and properties of conducting particles, as well as composite particles and swellable particles. The ability to thoroughly characterize polymer colloids has long been a corner-stone of their use in fundamental work and new techniques such as dielectric spectroscopy and neutron scattering are becoming increasingly important..."

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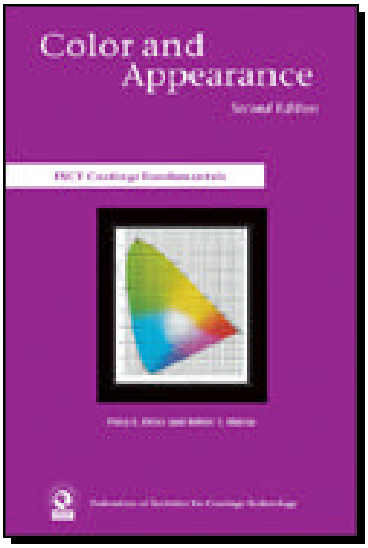
Title	Location	Edition / Series / Misc.
1563 **Color and Appearance, 2nd Edition**		*Edition:* 2nd Edition
Author:	*Dynix:*	*Series:*
Publish.:	*Call No.:*	
- place:	*ISBN:* 0934010579	
- date:	*Shelf*	*Year:*
Subject: Fundamentals		*Price:* $75.00
Desc: 94 pages, Soft Cover.		



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635 .	Fundamentals

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Reviews - Synopsis - Dust Jacket

This 94-page book reflects the substantial progress that has been made in the area of color and appearance since publication of the 1994 edition. In addition to offering expanded discussions on "Communicating Color" and "Color Differences and Tolerances"; the soft cover publication covers new developments in color software and color meas instrumentation. Color and Appearance also covers the advances in personal computer capabilities that have made tasks such as complex color computations, storage and retrieval of color data, colorant inventory and color formula management, etc. within the reach of all organizations today. Coverage of metamerism, hiding power, and colorant calibration has been expanded. In addition to an updated bibliography, the book features a glossary of commonly u color terms. Additional discussions focus on such topics as: Theories of Color Vision, Colorimetry and the CIE Sys for Measuring Color, Measurement Instruments, Color Standards, Pigments and Color Mixtures, Color Matching, Ba Correction, Creation of a Pigment Database for Computer Color Matching, Hiding Power, Tinting Strength, and Commercial Software and Hardware.

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Color Essentials: Color and Quality for the Graphic Arts & Sciences, Vol. 1

LASCT Holdings - maximum detail by Title **C**

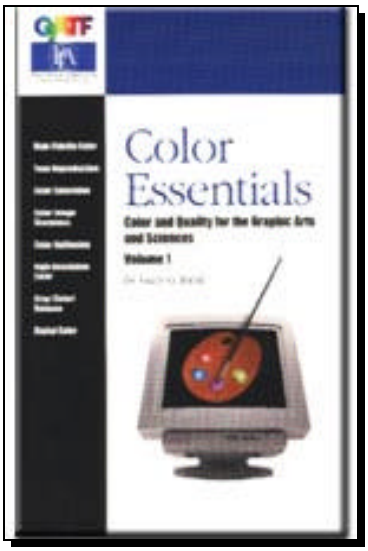
Title	Location	Edition / Series / Misc.

1363 **Color Essentials: Color and Quality for the Graphic Arts & Sciences, Vol. 1**

Author: Gary G. Field
Publish.: GATF
- place:
- date: 2001
Subject: Color Theory, Testing, and Analysis - Printing Technology - QA/QC
Desc: 110 p, 5.5 x 8.5 Paperback

Dynix:
Call No.:
ISBN: 883623862
Shelf

Edition:
Series:
Year: 2001
Price: $21.50



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607 .	QA/QC, Statistics, and Testing
618 .	Color Theory, Testing, and Analysis
624 .	Printing Technology

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High-Resolution Color
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Predicting Color Reproduction
Color Printing Quality
Principles of Color Reproduction

Reviews - Synopsis - Dust Jacket

A firm understanding of color and quality fundamentals is essential when it comes to color quality judgment and analysis skills. This book — a compilation of author Gary Field's "Color Concepts" columns from 1996 through 2000 — explores the technical, practical, scientific, and perceptual facets of color quality through essays on a variety of topics. The book covers underlying principles, and demonstrates how today's techniques were derived from previous advancements.From the Preface: "...In practice, misconceptions about col abound in this age of desktop color and so-called digital color presses, and the concept of quality is often reduced to trite definitions that have little practical value. Color quality, to be sure, has always been a somewhat elusive concept, but it is more of a science and less of an art than most people recognize...The essays presented here are succinct expositions on discrete color and quality topics that oftern are either misunderstood or partially comprehended..."Target Audience: Any reader interested in the concept of color quality, including members of the printing and graphic arts communities, as well as introductory level students.

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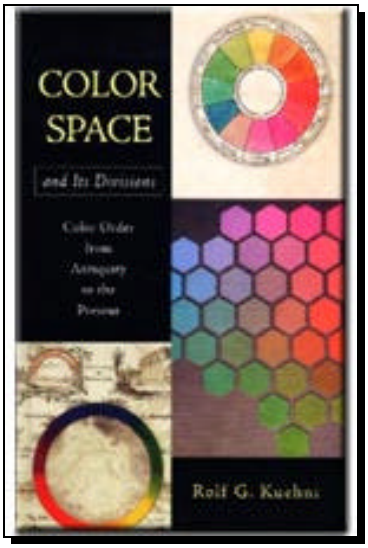
Title	Location	Edition / Series / Misc.

1495 **Color Space and Its Divisions: Color Order from Antiquity to the Present**

Author: Rolf G. Kuehni
Publish.: Wiley - Interscience
- place:
- date: 2003
Subject: Color Theory, Testing, and Analysis - General Reference
Desc: 424 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 471326704
Shelf

Edition:
Series:
Year: 2003
Price: $93.50



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Major Color Order Systems and Their Psychophysical Structure
From Color-Matching Error to Large Color Differences
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Reviews - Synopsis - Dust Jacket

This book offers an authoritative account of the history and a detailed presentation of the modern applications of color order and color difference.
and unprecedented history of man's inquiry into color order, focusing on the practical applications of the most contemporary developments in the field.Much of the study is devoted to geometric, three-dimensional arrangements of color experiences, a type of system not developed until the mid-nineteenth century. Color spaces are of particular interest for quality control purpose in the manufacturing and graphics industries. The author — an acknowledged expert in dyes and related materials — analyzes three major color order systems in detail: Munsell, OSA-UCS, and NCS. He presents historical and current information on color space developments in color vision, psychology, psychophysics, and color technology. Recommended for general understanding and as a serious reference work — the list of literature citations runs 24 pages.From the Preface: "...Given the human predeliction for ordering experiences and given the large number of different possible color experiences, it is not surprising that the question of how to bring order to this multiplicity is one that humans thought about since antiquity. Confusion created by the seemingly different result of mixing colored lights and colored materials has complicated the search for answers considerably..."Target Audience: Color theory experts in academia and industry, neuroscientists, designers, art historians, and any other reader interested in the nature of color and our attempts to characterize it.

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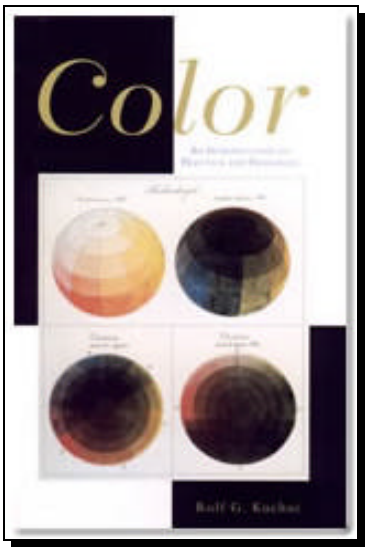
Title	Location	Edition / Series / Misc.

1064 **Color: An Introduction to Practice and Principles**

Author: Rolf G. Kuehni
Publish.: Wiley - Interscience
- place:
- date: 1997
Subject: Color Theory, Testing, and Analysis - Paints and Protective Coating
Desc: 194 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 471145661
Shelf

Edition:
Series:
Year: 1997
Price: $88.50



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617 .	Paints and Protective Coatings
618 .	Color Theory, Testing, and Analysis
631 .	Textiles and Nonwovens

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Reviews - Synopsis - Dust Jacket

This text is a comprehensive and scientifically correct introduction to the fundamentals of color, which presents the subject without mathematics or heavy jargon. Much broader in scope than other general texts on the subject, the full spectrum of science, technology, and art to produce a complete picture of the subject.From the Preface: "...Color is a much more encompassing subject than is usually conveyed in the standard textbooks on color science and technology. It is to provide a flavor of this greater complexity that this edition [of rearranged, with chapters added on philosophical questions related to color, on color (mainly color theory) in art, a review of major ideas about the harmony of colors, and an appendix about the evolution of the color sense..."Target Audience: An ideal resource for all color technologists, artists, designers, and students.

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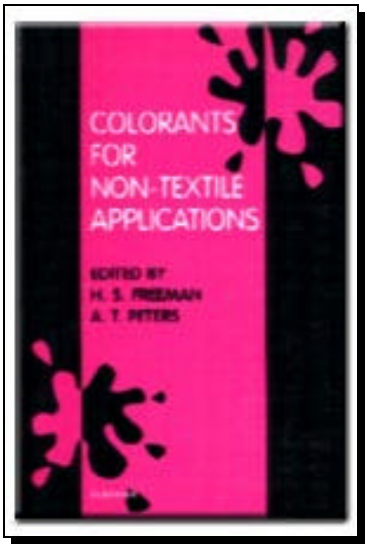
Title	Location	Edition / Series / Misc.
1467 **Colorants for Non-Textile Applications**		*Edition:*
Author: H.S. Freeman and A.T. Peters, eds.	*Dynix:*	*Series:*
Publish.: Elsevier	*Call No.:*	
- place:	*ISBN:* 444828885	
- date: 2000	*Shelf*	*Year:* 2000
Subject: Pigments, Dyes, and Colorants - Biopolymers and Medical Applicati		*Price:* $175.00
Desc: 636 p, 6.5 x 9.5 Hardcover		



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622 .	Biopolymers and Medical Applications
626 .	Pigments, Dyes, and Colorants

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Functional Dyes Directed for Molecular Recognition: Chromogenic and
Fluorescent ReceptorsFunctional Materials:
Laser Dyes: Structure and Spectroscopic Properties
Multifunctional Dye Materials from New Dicyanopyrazine ChromophoresNatural Color/Substrates:
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Synthetic Dyes for Human Hair
Leather Dyes
Structural Colors: Nano-Optics in the Biological World
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Reviews - Synopsis - Dust Jacket

This volume examines the chemistry of natural and synthetic dyes produced for non-textile markets, where much new basic research in color chemistry is now taking place.
Applications
technology pertaining to dyes for digital printing and photography; dyes for food, drug, cosmetic, and biomedical applications, as well as for molecular recognition; the design of laser dyes and dye-based functional materials; and natural dyes and dyes for natural substrates. The book concludes with a discussion of color science and its application to structural color, which is manifest in the absence of colorants.From the Preface: "...The chapters presented in this volume demonstrate
that color chemistry still has much to offer individuals with inquiring minds who are searching for a career path. The work presented herein demonstrates the creativitiy of today's color chemists and the wide variety of interesting non-textile areas from which a career can be launched..."Target Audience: Color scientists and chemists with an interest in dyes, pigments, and paints.

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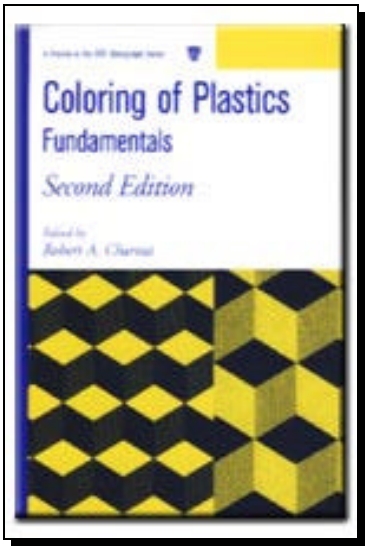
Title	Location	Edition / Series / Misc.

1357 **Coloring of Plastics: Fundamentals, 2nd Ed.**

Author: Robert A. Charvat, ed.
Publish.: Wiley - Interscience
- place:
- date: 2004
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analys
Desc: 450 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471139068
Shelf

Edition:
Series:
Year: 2004
Price: $83.50



Subjects

618 .	Color Theory, Testing, and Analysis
626 .	Pigments, Dyes, and Colorants
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This revised second edition of updated introduction to color as a science while providing a foundation for other related technological subjects. It presents information on color measurement, visual and instrumental methods of color matching, color specifications, and how statistical techniques can improve the consistency of colorants, as well as of the colored polymer products in which they are used. The basic families of colorants are explained, along with compounding methods and the use of color concentrates. Additionally, there is a valuable discussion of the interactions that occur between plastics additives and colorants.From the Preface: "...Coloring of materials must start with an understanding of the basics of light, how light interacts with objects, and, finally, how humans react to and respond to the visible light reaching the eye and then interpreted by the brain. It should not be a surprise to anyone that no two people will see and interpret a colored object exactly the same. It is these variations and others that make the industry of coloring of plastics so interesting. The subjects in this publication have been designed to cover the most important technical and scientific issues involved in the coloring of plastic materials..."Target Audience: Product development, research, manufacturing, process, and quality control engineers, chemists, and technologists who are

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concerned with the coloring of plastics.

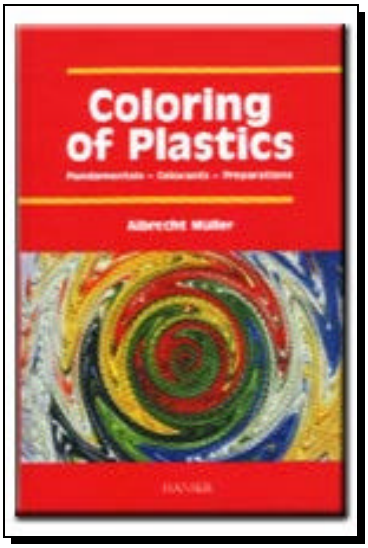
Title	Location	Edition / Series / Misc.

1556 **Coloring of Plastics: Fundamentals, Colorants, Preparations**

Author: Albrecht Muller
Publish.: Hanser Gardner
- place:
- date: 2003
Subject: Color Theory, Testing, and Analysis
Desc: 280 p., 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569903522
Shelf

Edition:
Series:
Year: 2003
Price: $63.50



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618 .	Color Theory, Testing, and Analysis

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Additives for Polymers

Processing Errors and Their Elimination

Quality Assurance

Mold Construction

Legislation

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Reviews - Synopsis - Dust Jacket

The successful coloring of plastic parts, from preparation of the coloring agent through final product manufacturing, is the result of the interaction of chemical, physical, technological, and legal factors. This book offers an overview of t factors, including discussions of processing machine construction; the processing technology; quality assurance o materials and finished products; toxicology of raw materials; the legal and regulatory considerations that prevail fro formulation to plastic part processing; and safe use of the finished product. This multi-disciplinary approach will aid reader in coordinating colorant and polymer properties with part design and end-use requirements to create a superi product.

From the Introduction: "...Experience shows that processors of plastics often have limited knowledge regarding the complexity of a color preparation; likewise, the colorist's knowledge of the processing of plastics is limited as well. intensive interchange of information between both is therefore very important. In this way the understanding of each improve considerably to make it possible to achieve a higher quality standard for the products of each. In the follow chapters all the different aspects of coloring of plastics are described in detail..."

Target Audience: Designers, formulators, engineers, quality specialists, and others in the colorants and plastics ind who must collaborate to produce high quality results in colored plastic products.

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Title	Location	Edition / Series / Misc.

1156 **Coloring Technology for Plastics**

Author: Ronald M. Harris, ed.
Publish.: Plastics Design Library
- place:
- date: 1999
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analys
Desc: 341 p, 7 x 8.5 Hardcover

Dynix:
Call No.:
ISBN: 1884207782
Shelf

Edition:
Series:
Year: 1999
Price: $118.50

Subjects

618 .	Color Theory, Testing, and Analysis
626 .	Pigments, Dyes, and Colorants

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Reviews - Synopsis - Dust Jacket

The papers in this anthology (originally presented at Society of Plastics Engineers ANTEC and RETEC symposia between 1995 and 1998) offer comprehensive coverage of plastics coloring technology. The presentation is descriptive, non-theoretical, and non-mathematical; it covers current practices, as well as emerging technologies.From the Preface: "...Today, color stylists seek to exploit the entire appearance experience to help create a desired product image. No, you can't tell a book by its cover, but a product's package can generate appeal and additional sales...Package design has been an interactive process: stylists demanding more from the technology, and, at the same time, advances in plastics coloring technology stirring creative juices..."Target Audience: Color concentrate compounders, colorists and specifiers, materials technologists, package designers, students, and others interested in the technology behind the coloring of plastics.Brief Table of Contents:Pigments and Dyes
Effective Pigment Incorporation
Testing Colored Products
Effect of Colorants on Properties of Colored Materials
Laser Marking
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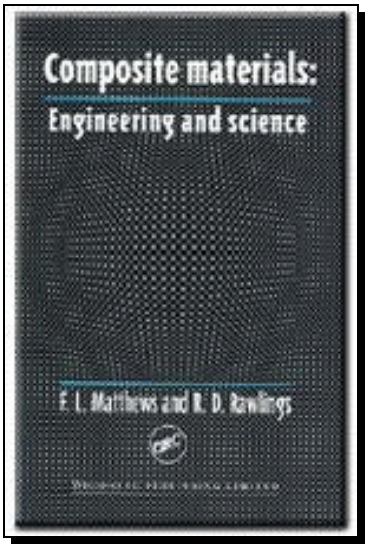
Title	Location	Edition / Series / Misc.

1224 **Composite Materials: Engineering and Science**

Author: Frank L. Matthews and R.D. Rawlings
Publish.: CRC Press
- place:
- date: 1999
Subject: Composites, Laminates, and Fibers - Materials Science
Desc: 460 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 84930251
Shelf

Edition:
Series:
Year: 1999
Price: $48.50



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625 .	Composites, Laminates, and Fibers

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Reviews - Synopsis - Dust Jacket

This popular text provides a basic understanding of the underlying science and the engineering applications of composite materials. It explains how materials with high strength and stiffness, low weight, and other desirable properties are obtained and discusses the nature of the different forms of reinforcement and matrix along with their interactions. There is also discussion of production methods, applications, and essential material data.From the Preface: "...The most widely used composites are those with polymer matrices and with fibrous reinforcement and the text inevitably concentrates on these, although two chapters are devoted to metal and ceramic matrix systems. A significant portion of the book deals with methods for calculating stiffness and strength, the text being supplemented where appropriate by worked examples and representative data..."Target Audience: Professionals and students in materials science, physics, and civil or structural engineering who are concerned with composite materials.

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Comprehensive Desk Reference of Polymer Characterization and Analysis

Title	Location	Edition / Series / Misc.

1512 **Comprehensive Desk Reference of Polymer Characterization and Analysis**

Author: Robert F. Brady, ed.
Publish.: Oxford University Press
- place:
- date: 2003
Subject: Polymer Characterization - Polymer Surface Chemistry - Surface
Desc: 772 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 841236658
Shelf

Edition:
Series:
Year: 2003
Price: $305.00

Subjects

601 .	Polymer Surface Chemistry
608 .	Surface Characterization and Analysis
613 .	Polymer Characterization

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Introduction to Polymer Characterization
Measurement of Molecular Weight and Molecular Weight DistributionAtomic, Functional Group, and Monomeric Anal
of Polymers:Instrumental Elemental Analysis of Polymeric Materials
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High-Performance Liquid Chromatography
Gas Chromatography
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Resonance Spectrometry
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Mass Spectrometry
Steady-State FluorescenceMethods to Characterize the Molecular Organization of Polymers:Thermal Analysis
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Surface Energy
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Optical Methods for Three-Dimensional Visualization: Photon Tunneling
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Particle Size and Particle Size Distribution
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Dielectric Properties
Transport and Barrier Properties
Flammability and Fire Performance
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Reviews - Synopsis - Dust Jacket

This book is a practical manual for those who analyze polymers. Self-contained chapters describe when a technique should be selected, explain its basic principles, describe how instruments are constructed and operated, and teach how the data obtained relate to molecular structure and physical properties. Recommended.From the Preface: “A large fraction of chemists are employed in the polymer industry. Many are new graduates, and many others come from other segments of the industry or from academia. Frequently these people enter the industry in some phase of polymer characterization and find the challenges daunting...The book is not a research manual but, rather, a guide to performing and understanding polymer characterization, as well as an entree to the specialized literature of the analytical chemistry of polymers...”Target Audience: Entry-level polymer scientists, research technologists, laboratory specialists, and others who are called on to analyze and characterize polymers.

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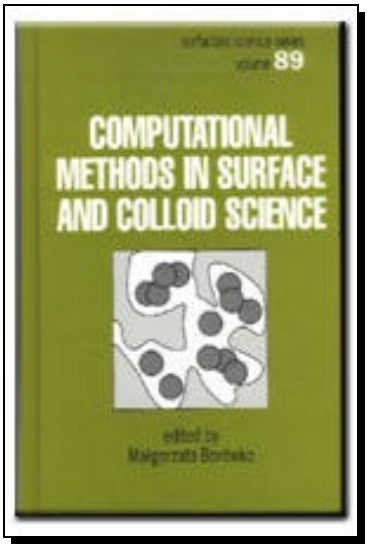
Title	Location	Edition / Series / Misc.

1277 **Computational Methods in Surface and Colloid Science**

Author: Malgorzata Borowko, ed.
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Scienc
Desc: 950 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824703235
Shelf

Edition:
Series:
Year: 2000
Price: $195.00



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions

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Structure and Phase Behavior of Confined Soft Condensed Matter
Quantum Effects in Adsorption at Surfaces
Integral Equations in the Theory of Simple Fluids
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Water and Solutions at Interfaces: Computer Simulations on the Molecular Level
Surface Chemical Reactions
Theoretical Approaches to the Kinetics of Adsorption, Desorption, and Reactions at Surfaces
Computer Simulations of Dense Polymers
Computer Simulations of Living Polymers and Giant Micelles
Conformational and Dynamic Properties of Polymer Chains Adsorbed on Hard Surfaces
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Simulations of Systems with Colloidal Particles
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Double Layer Theory: A New Point of View
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Reviews - Synopsis - Dust Jacket

This comprehensive reference presents the latest computer simulation methods and mathematical modeling of physical processes currently used in surface science research. The contributions offer in-depth analysis of advanced theoretical approaches to behaviors of fluids in contact with porous, semiporous, and nonporous solid surfaces.Computational Methods in Surface and Colloid Science interfacial systems for a wide variety of phenomena, including adsorption, flotation, osmosis, and colloidal stability. It discusses modern techniques of statistical thermodynamics and Monte Carlo simulations; illuminates the behavior of surfactants and crystal growth processes; studies colloidal suspensions and quantum effects in adsorption; explores the theory of simple and chemically reacting nonuniform fluids; investigates the kinetics of adsorption, desorption, and chemical reactions; and more.From the Preface: "...The existing books cover the simple, rather than the advanced, theoretical approaches to interfacial systems. This volume should fill this gap in the literature. It is the purpose of this volume to serve as a comprehensive reference source on theory and simulations of various interfacial systems. Furthermore, it shows the power of statistical thermodynamics that offers a reliable framework for an explanation of interfacial phenomena...I hope that this book will be useful for everyone whose professional activity is connected with surface science..."Target Audience: Physical, surface, and colloid chemists; theoretical physicists; chemical engineers; and upper-level students of these disciplines.

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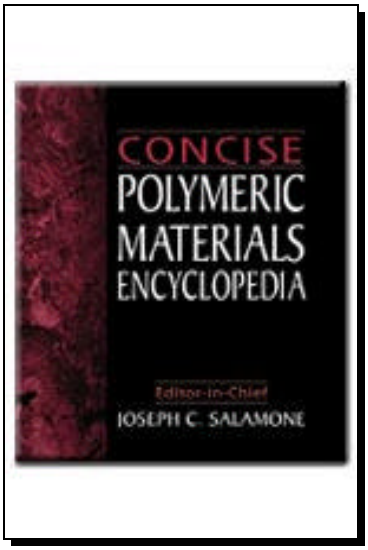
Title	Location	Edition / Series / Misc.
1124 **Concise Polymeric Materials Encyclopedia**		*Edition:*
Author: Joseph C. Salamone, ed.	*Dynix:*	*Series:*
Publish.: CRC Press	*Call No.:*	
- place:	*ISBN:* 84932226	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Polymer Science - General Reference - Plastics Processing		*Price:* $226.50
Desc: 1743 p, 8.5 x 11 Hardcover		



Subjects

604 .	General Reference
610 .	Polymer Science
628 .	Plastics Processing Technology

Table of Contents

Reviews - Synopsis - Dust Jacket

This single-volume resource culls 1,100 of the most used, widely applicable articles from the Polymeric Materials Encycolpedia, presenting them in a condensed, well-ordered format. Featuring contributions from more than 1,800 scientists from around the world, the book discusses a vast array of subjects related to the synthesis, properties, and applications of polymeric materials; development of modern catalysts in preparing new or modified polymers; modification of existing polymers by chemical and physical processes; biologically oriented polymers; and much more. A great value.From the Preface: "...The original articles were prepared by internationally recognized polymer scientists. All articles are presented in alphabetical order in the same fashion as the original work. A number of articles may pertain to a specific subject, and cross-reference titles are given, which list all articles in a general subject area. A Subject Index also facilitates searching. The Encyclopedia on modern polymeric materials. The editors believe that it will be a valuable addition to refereence collections in the polymer field."Target Audience: Any researcher, student, or technologist concerned with polymeric materials.

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Conducting Polymers and Polymer Electrolytes: From Biology to Photovoltaics (ACS Symposium Series 832)

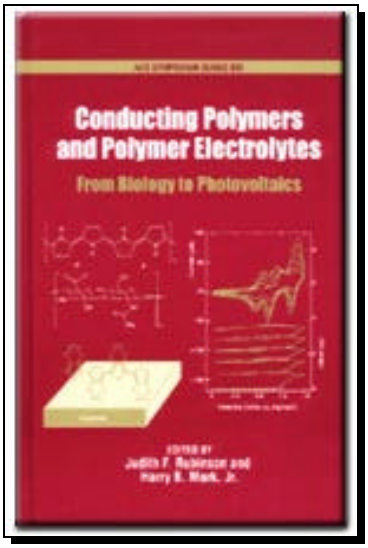
Title	Location	Edition / Series / Misc.

1442 **Conducting Polymers and Polymer Electrolytes: From Biology to Photovoltaics (ACS Sympo**

Author: Judith F. Rubinson and Harry B. Mark, eds.
Publish.: American Chemical Society
- place:
- date: 2002
Subject: Polymer Science - Recommend this Site
Desc: 232 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841237700
Shelf

Edition:
Series:
Year: 2002
Price: $88.50



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Introduction:
From Biology to Engineering: The Present Status of Conducting PolymersSynthesis and Characterization: Optimizir
Polymer Properties:Electrochemistry of Ion-Selective Conducting Poly(3-methylthiophene):
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Thin Polyheteroaromatic Films Synthesized in Organized Media:
Structures and Properties
Electrochemical Behavior of Polyaniline and Polythiophene Derivatives
in Various Electrolytes
Electrochemical Quartz Crystal Microbalance Studies of the Growth of
Perylene-Containing Films
Preparation and Characterization of Polymeric Electrodeposits Modified
with Dispersed Metallic ParticlesApplications:
Conducting—Insulating Polymer Composites: Selectively Sensing Materials
for Humidity and CO
Electrochemical Generation of Light in Conjugated Polymers
Photoelectrochemical Behavior of p-ATP/PANI Film and Nanoparticulate
p-ATP/PANI/TiO
Conjugated Organic Polymers for Anticorrosion Coating
Selective Electrocatalytic Reduction of CO
Electroprepared [Ru(L)(CO)
2,2'-Bipyridine Derivatives
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Challenges and Opportunities: Where Do We Go from Here?
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Reviews - Synopsis - Dust Jacket

The study of conductive polymers is a rapidly growing area in polymer chemistry. Since conductive polymers carry a charge, they are used in a wide variety of applications. This book examines a subset within the area of conductive polymers — the electrochemistry that occurs at the interface between conductive polymers and solutions. Topics include synthesis and characterization as well as applications in artificial muscles, electrocatalysis, sensor design, biomaterials, fuel cell design, and corrosion prevention.From the Preface: “This volume contains, with a few exceptions, the text of presentations from the symposium ”Electrified Polymer/Solution Interfaces,” held at the San Fransisco, CA American Chemical Society (ACS) National Meeting, March 25-31, 2000...Contributions span a number of fields of interest that are concerned with charged polymer—solution interfaces...”Target Audience: Researchers, technologists, scientists, and students concerned with conducting polymers and polymer electrolytes.

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Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Optoelectronic Applications

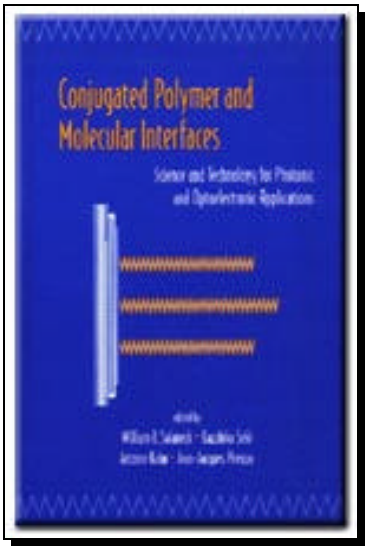
Title	Location	Edition / Series / Misc.

1359 **Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Opt(**

Author:
Publish.: Marcel Dekker
- place:
- date: 2002
Subject: Interfacial Engineering and Surface Science - Polymer Science -
Desc: 884 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824705882
Shelf

Edition:
Series:
Year: 2002
Price: $198.50



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
610 .	Polymer Science

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Functional Dendritic Thin Films and Monolayers
A Theoretical Study of Electrical Contacts to Self-Assembled Molecular Wires on Conducting Substrates
A Theoretical Study into Organic Interfaces in Electro-Optic Devices
Photoelectron Spectroscopy of Interfaces for Polymer-Based Electronic Devices
Role of Interfaces in Semiconducting Polymer Optoelectronic Devices
Studies of Organic Thin Films and Interfaces by Various Electron Spectroscopies: Molecular Orientation, Electronic States, and Reactions
Organic—Metal Interfaces: From Physisorption to Covalent Bonding
Electronic Structure of Interfaces Between Organic Molecules and van der Waals Surfaces
Indium-Tin-Oxide Thin Films for Characterization of Electrochemical Processes in Molecular Assemblies: Surface Characterization and Surface Modification
Energy Level Alignment at Organic—Metal Interfaces
Organic Molecular Interfaces: Investigations of Electronic Structure, Chemistry, and Carrier Injection Properties
Metal—Polyfluorene Interface and Surface: Structures and Stability
Femtosecond Photoemission Study of Relaxation and Interface Charge Transfer Dynamics in Organic Photoreceptors
STM-Excited Electroluminescence and Spectroscopy of Conjugated PolymersContact-Limited Hole Current in Poly(phenylenevinylene)
Organic Light-Emitting Diodes Using Alkaline-Earth Fluorides as an Electron Injection Layer
Characterization of Metal Interfaces to Molecular Media from Analysis of Transient and Steady-State Electrical Measurements
Molecular-Sized Structural Trap at Organic—Metal Interface and Photocurrent Multiplication Phenomenon
Charge Injection into Disordered Organic Semiconductors
Energy Structures of Molecular Thin-Film/Metal Interfaces in Air
Metal—Organic Schottky Energy Barriers: Measurements and Device Implications
Nanometric Electrostatic Phenomena at Molecular Interfaces
Modifying Interfaces to Semiconducting Polymers: PEDOT in Polymer Microelectronics
Electron and Hole Injection Processes in OLEDs Consisting of Low Molecular Weight Materials
Preparation of Single Crystalline van der Waals Surfaces: Tips for Beginners
Molecular Control of Electron and Hole Injection at Electrodes and at Organic Layer Interfaces in Organic Electroluminescent Devices
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Reviews - Synopsis - Dust Jacket

This book defines the state of the art in interface science for electronic applications of organic materials, updating understanding of the foundation of interfacial properties and describing novel electronic devices created from conjugated polymers and organic molecular solids. It focuses on the use of advanced printing technologies to fabricate

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photodiodes, photovoltaic cells, thin-film transistors, and lasers.Conjugated Polymer and Molecular Interfaces
light-emitting diodes using alkaline-earth fluorides; examines energy
structures of molecular thin film—metal interfaces; investigates
electronic structure, chemistry, and carrier injection properties; details
preparation of single-crystalline van der Waals surfaces; considers
self-assembled molecular wires on conducting substrates; clarifies
nanometric electrostatic phenomena at molecular surfaces; and more.From the Preface: "...A considerable amount
work on organic
interfaces has been accomplished over the past few years and the time is
right to present some of the principal work in the field in this
book...The content of these chapters spans a considerable range of issues
from basic or fundamental materials science through device applications,
pointing out the role of interfaces in each case. We have endeavored to
represent all subfactions in the field as fairly as possible..."Target Audience: Polymer, chemical, optical, electronics
fiber
engineers; physical, surface, colloid, organic, synthetic, and polymer
chemists; theoretical, experimental, and condensed matter physicists;
spectroscopists; and upper level students in these disciplines.

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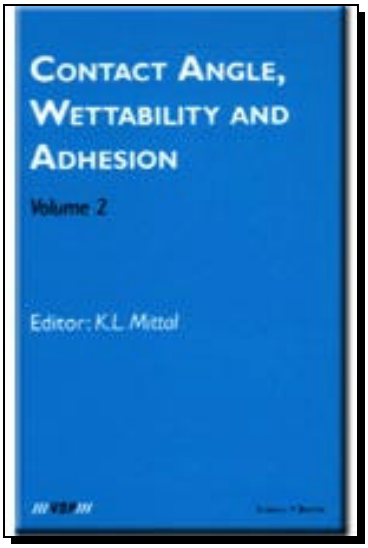
Title	Location	Edition / Series / Misc.

1465 **Contact Angle, Wettability and Adhesion, Vol. 2**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2002
Subject: Surface Characterization and Analysis - Adhesives and Adhesion - Chemistry
Desc: 572 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 906764370
Shelf

Edition:
Series:
Year: 2002
Price: $245.00



Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
608 .	Surface Characterization and Analysis

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Reviews - Synopsis - Dust Jacket

This volume documents the proceedings of the Symposium on Contact Angle, Wettability and Adhesion NJ June 21-23, 2000. Since the first symposium, held in 1992 (the proceedings of which are now out of print), there has been a great deal of new research devoted to wetting phenomena. The 33 papers included in this book represent a commentary on the current research and development in this field.From the Preface: "...This symposium was organized with the following objectives in mind: to bring together the active researchers and practitioners in this field; to provide a forum for discussion of the latest R & D activities in this area; to provide an opportunity for cross-pollination of ideas; and to highlight/identify topics which needed a more thorough investigation and intensified research effort..."Target Audience: Industrial researchers and technologists, academicians, and upper-level students interested in contact angles, wettability and adhesion.Partial Table of Contents:

General Papers:
Role of the Water—Air Interface in Determining the Surface Tension of Aqueous Solutions of Sugars, Polysaccharides, Proteins and Surfactants
The Effect of the Acid—Base Chemistry of Lactose on Its Adhesion to Gelatin Capsules: Conclusions from Contact Angle Measurements and Other Surface Chemical Techniques
The Evaluation of Surface Free Energy of Polymers: The Role of Water
Acid—Base Properties and the Measurement of an "Equilibrium" Contact AngleSurface Properties of Fatty Amines a Revealed by Contact Angle, FTIR, and AFM Measurements
Tetralin and Ammonia Plasma Treatment of Ultra-High-Strength Polyethylene Fibers for Improved Adhesion to Epoxy ResinContact Angle Measurements: Determination and Solid Surface Free Energy:
Determination of Contact Angles in Different Size Pores in a Porous Material
Factors Influencing the Determination of Wood Contact Angles and Wettability — Extractives Contamination, Wicking, and Bulk Sorption Effects
Contact Angle Hysteresis Due to a Film Present Behind the Drop
Water Contact Angles and Hysteresis on Polyamides
Surface Free Energies of Cellulose Ether Films
Uncured Silicone Sealant Surface Energy as Determined by Contact Angle Measurements: A New Quantitative Tool for the Assessment of Sealant Ease of Use
Surface Free Energy and Surface Roughness Changes Produced by Irradiating Polymers with Ultraviolet—OzoneWetting and Spreading: Fundamental and Applied Aspects:Dynamic Contact Line with Disjoining Pressure, Large Capillary Numbers, Large Angles and Pre-Wetted, Precursor, or Entrained Films
On the Effective Equation to Describe the Spreading of a Small Viscous Drop Over a Rough Surface
Wetting Behavior on a Solid Surface Contaminated with a Liquid Layer
Wetting and Dewetting Kinetics of Shear-Thinning Liquids

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The Spreading of Alkyl Ketone Dimers (AKD) in Paper and on Smooth Hydrophilic Substrates
Wetting of Solids by Binary Surfactant Solutions: Synergistic Effect

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Title	Location	Edition / Series / Misc.

1490 **Contact, Adhesion, and Rupture of Elastic Solids**

Author: Daniel Maugis
Publish.: Springer
- place:
- date: 2000
Subject: Materials Science - Adhesives and Adhesion - Wear, Weathering, ar
Desc: 430 p, 6.1 x 9.3 Hardcover

Dynix:
Call No.:
ISBN: 3540661131
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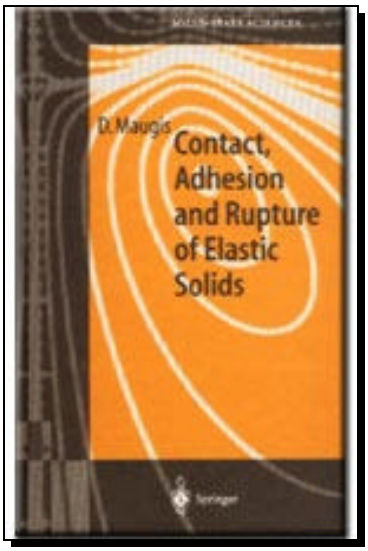
Edition:
Series:
Year: 2000
Price: $103.50



Subjects

606 .	Adhesives and Adhesion
609 .	Materials Science
614 .	Wear, Weathering, and Tribology

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Elements of Surface Physics
Elements of Elasticity
Rupture and Adherence of Elastic Solids
Frictionless Elastic Content
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Reviews - Synopsis - Dust Jacket

This book is based on the analogy between contact mechanics and fracture mechanics as proposed by the author about 20 years ago. It starts by considering surface thermodynamics, surface energy and surface tension of solids. This is followed by a discussion of elastic recall, including an investigation of the methods of Muskhelichvili and Hankel transforms for the resolution of plane and axisymetric problems. The section on fracture mechanics concentrates on the thermodynamic aspect of the problem. The reader will find complete analytical results and detailed calculations for cracks submitted to pressure distributions and the Dugdale model, as well as a chapter on contact mechanics. The contact and adherence of rough solids is also studied.From the Preface: "...One of the original aspects of this book is the systematic analytical study of the stress field around elliptical cavities, cracks or elastic contacts. Principal stresses, isopachics, isochromatic lines, von Mises criterion and displacement fields are all presented. Finally, the last chapter describes in detail the geometries generally used in fracture mechanics and adhesion testing: double cantilever beam, peeling, lap joint, double torsion and blister test..."Target Audience: Advanced students and researchers working in the fields of fracture mechanics or adhesion.

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Title	Location	Edition / Series / Misc.

1267 **Copolymerization: Toward a Systematic Approach**

Author: Cornel Hagiopol
Publish.: Plenum Press
- place:
- date: 1999
Subject: Polymer Science - Materials Science - Paints and Protective
Desc: 238 p, 6 x 9 Hardcover with CD-ROM

Dynix:
Call No.:
ISBN: 30646179
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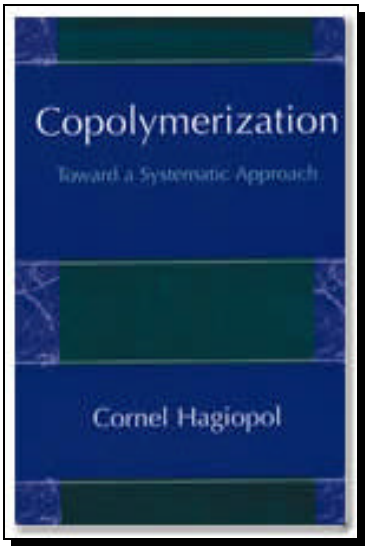
Edition:
Series:
Year: 1999
Price: $118.50



Subjects

609 .	Materials Science
610 .	Polymer Science
617 .	Paints and Protective Coatings

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Estimation of Reactivity Ratios
Ternary Copolymerization
Going Beyond the Limits of the Terminal Model
Homogeneous and Heterogeneous Copolymerization
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Reviews - Synopsis - Dust Jacket

Copolymerization is a very widely used industrial process — in fact, it is the dominant process in macromolecular chemistry. Toward a Systematic Approach definition of various kinetic models, their estimation through different calculation methods, the discrimination among kinetic models by means of composition data, and the influence of the reaction environment upon the values of reactivity ratios. Both binary and ternary coploymerization processes are considered.The accompanying CD-ROM includes 15 computer programs devoted to copolymerization-related issues, which are particularly helpful for finding solutions to problems raised by the use of composition equations, estimating copolymer composition according to monomer composition, fitting confidence intervals, calculating azeotrope compositions, and more.From the Preface: "...This book attempts to ide the basic elements of most papers published in this field and to filter them through a consistent evaluation strategy. Particular attention is given to elements of the composition equation: real values of reactivity ratios (for binary and ternary copolymerization) and actual comonomer concentrations (for solution, emulsion, and suspension copolymerization). The quality and effectiveness of experimental programs is also discussed..."Target Audience: Polymer chemists and technologists especially those concerned with copolymerization reactor design and the ability to predict reaction rate constants; also upper level students of polymer science.

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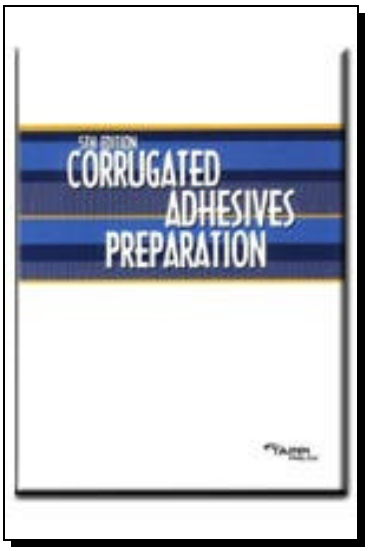
Title	Location	Edition / Series / Misc.

1365 **Corrugated Adhesives Preparation, 5th Ed.**

Author: Craig E. Nordquist, ed.
Publish.: TAPPI Press
- place:
- date: 2001
Subject: Adhesives and Adhesion - Converting Technology - Paper and
Desc: 70 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1930657765
Shelf

Edition:
Series:
Year: 2001
Price: $101.50



Subjects

606 .	Adhesives and Adhesion
615 .	Paper and Paperboard
620 .	Converting Technology

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Introduction: A History of Corrugated Adhesives
Starchmaking Equipment
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Quality Control of Starch Adhesives
Environmental, Health, and Safety Concerns
Troubleshooting — Starch Adhesives and the Corrugated Board
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Reviews - Synopsis - Dust Jacket

This revised edition presents technical and practical information on starch making and the use of adhesives in corrugated plants. Its intent is to help the reader produce higher quality starch-based adhesives, and ensure that their use results in the highest quality corrugated board, boxes, partitions, and displays.From the Preface: "...Today, the corrugated plant must be better than ever before. Competition has truly become a global concern and corrugators, which have always stood on past laurels, suddenly find their doors closing for good...And so, the contributors to this edition have worked very hard to bring some of the 'black box' out of starch making and provide the boxplant with a practical and useful tool to make better starch adhesives as well as see better bond quality..."Target Audience: Technologists, quality and process specia manufacturing personnel, and others concerned with corrugated adhesives preparation.

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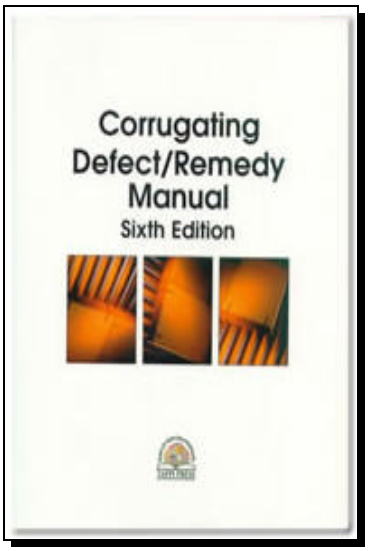
Title	Location	Edition / Series / Misc.

1088 **Corrugating Defect/Remedy Manual, 6th Ed.**

Author: James T. Carbone, ed.
Publish.: TAPPI Press
- place:
- date: 1999
Subject: Converting Technology - Packaging Conformance and Specification
Desc: 220 p, 11 x 0 Paperback

Dynix:
Call No.:
ISBN: 898525152
Shelf

Edition:
Series:
Year: 1999
Price: $96.50



Subjects

620 .	Converting Technology
630 .	Packaging Conformance and Specifications
716 .	Packaging: General Reference

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Reviews - Synopsis - Dust Jacket

The sixth edition of this popular manual provides a basis for common knowledge of terms, definitions, and methods of correction of corrugated operational defects. It illustrates and provides causes and remedies for hundreds of defects affecting corrugated boxes. The manual is organized in four parts — corrugating problems, printing problems, die cutting problems, and finishing and manufacturer's joint problems. Also available in full-color searchable CD-ROM format; please call, fax, or email.From the Foreword: “The dissemination of know of this type should expedite the teaching of all personnel and permit a faster improvement in new techniques. However, it must be understood that the information given in this manual is only a starting point for the attainment of [these] objectives...It must not be considered at this point to be a source of all the answers to corrugated container manufacturing problems. It is the nucleus for this source which we hope will be attained in the future...”Target Audience: All manufacturing, quality, a process control employees working in the corrugating industry; also students of paper science and packaging and converting technology.Brief Table of Contents:
Corrugating Problems:
Singlefacer and Doublefacer Defects
Fingerless Singlefacer Defects
Splicer Defects
Corrugating Roll Defects
Visual Glue Line ReferencesPrinting Problems:
Printing Defects
Sample Anilox RollsDie Cutting Problems:
Finishing and Manufacturer's Joint Problems:
Feed Section Problems
Slotting Section Problems
Folding Section Problems
Counter Ejector Section Problems
Glue Lap Problems
Stitching Problems
Taping Problems
Common Curtain Coating Problems

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Title	Location	Edition / Series / Misc.

1213 **Corrugator**

Author: A. Howard Bessen
Publish.: Jelmar Publishing
- place:
- date: 1999
Subject: Converting Technology - Adhesives and Adhesion - Packaging
Desc: 203 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 1885067178
Shelf

Edition:
Series:
Year: 1999
Price: $71.50

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606 .	Adhesives and Adhesion
620 .	Converting Technology
629 .	Packaging Technology

Reviews - Synopsis - Dust Jacket

This book provides the only full explanation of the corrugator and all its component machinery, including mechanical descriptions, operating principles and functions, and controls. The comprehensive presentation is written in simple, non-technical English, appropriate for every level of understanding. Coverage includes not only the most modern machinery but equipment of any age which is currently found in box plants around the world. Liberally illustrated. Recommended.From the Preface: "...The corrugator has changed, and is still changing but not without difficulties. The corrugator has become wider to match the width of the largest converting machines. Increased width requires longer shafts and corrugating rolls that must have limited deflection. Side frames must be made heavier to support those shafts and rolls...Industry trade magazines announce some corrugator innovation in almost every issue...Eventually, older corrugated components are replaced. This happens not because they have worn out, but because more efficient components are obtainable. Almost all but the newest corrugators have been upgraded to some extent; it is a continual process..."Target Audience: Anyone who needs to understand the proper functioning of the machinery that makes the entire corrugated box-making industry possible, from engineers and marketers to operators and box customers.

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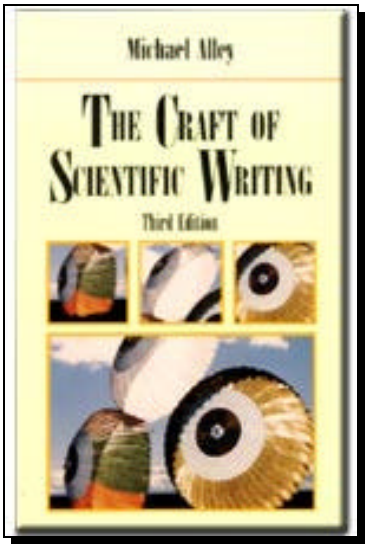
Title	Location	Edition / Series / Misc.

1219 **Craft of Scientific Writing, 3rd Ed.**

Author: Michael Alley
Publish.: Springer
- place:
- date: 1996
Subject: General Reference - Recommend this Site
Desc: 297 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 387947663
Shelf

Edition:
Series:
Year: 1996
Price: $22.50



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Reviews - Synopsis - Dust Jacket

This book promotes clear, concise communication. It includes advice on organization, deciding where to begin, drafting, revising, finishing, and much more. Using scores of examples from a wide variety of authors and disciplines, it demonstrates the difference between strong and weak scientific writing. In essence, the third edition of Scientific Writing intended audience. It includes many useful suggestions about approaching a wide variety of writing tasks — from laboratory reports to grant proposals, from internal communications to press releases — as well as a concise guide to style and usage appropriate for scientific writing.From the Foreword: "...On a personal level, your writing is the principal way in which people learn about your work. When you communicate well, you receive credit for that work. When you do not communicate well or are too slow to communicate, the credit often goes to someone else. On a larger level, your writing and the writing of other scientists and engineers influences public policy about science and engineering..."Target Audience: Students of scientific writing, well as practicing scientists, researchers, technicians, technologists, managers, and engineers. Every research department should have a copy on hand.

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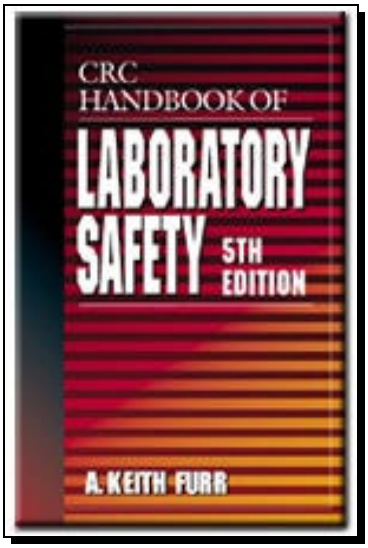
Title	Location	Edition / Series / Misc.

1071 **CRC Handbook of Laboratory Safety, 5th Ed.**

Author: A. Keith Furr, ed.
Publish.: CRC Press
- place:
- date: 2000
Subject: Health. Safetv. and the Environment - General Reference
Desc: 808 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849325234
Shelf

Edition:
Series:
Year: 2000
Price: $151.50



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Reviews - Synopsis - Dust Jacket

Expanded and updated, the fifth edition of this comprehensive handbook on laboratory safety provides information on planning and building a facility, developing an organization infrastructure, planning for emergencies and contingencies, choosing the correct equipment, developing operational plans, and meeting regulatory requirements.Still the essential reference tool, the Safety, 5th Ed.
1994 NRC radiation safety standards, guidelines for X-ray use in hospitals, enforcement of standards for dealing with blood-borne pathogens, OSHA actions covering hazardous waste operations and emergency

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response, and the latest CDC guidelines for research with microbial hazards. Contains over 100 pages of new material.Target Audience: Scientists and researchers; laboratory designe and managers; emergency response personnel; regulatory and compliance preofessionals; hygiene specialists; and others concerned with laboratory safety.

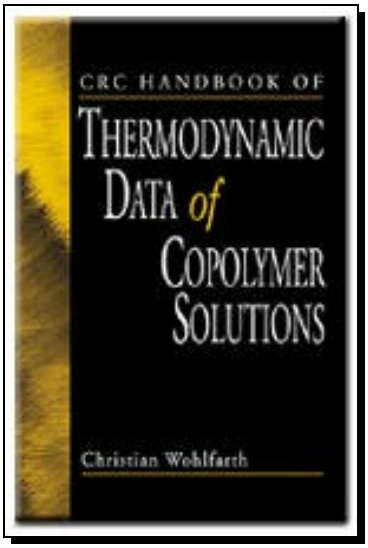
Title	Location	Edition / Series / Misc.

1335 **CRC Handbook of Thermodynamic Data of Copolymer Solutions**

Author: Christian Wohlfarth
Publish.: CRC Press
- place:
- date: 2001
Subject: Solubilitv and Surfactants - Polvmer Science
Desc: 516 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849310741
Shelf

Edition:
Series:
Year: 2001
Price: $185.00



Subjects

605 .	Solubility and Surfactants
610 .	Polymer Science

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Reviews - Synopsis - Dust Jacket

Thermodynamic data are essential to understanding the physical behavior of copolymer solutions, intermolecular interactions, and the molecular nature of mixtures. As such, they form the basis for developing theoretical thermodynamic models, and knowledge of this data is necessary for countless industrial and laboratory processes. Until now, however, accessing this information required tedious searches through the original literature.The coordinates this data, gathered from over 300 literature sources, offering the first and only complete collection of thermodynamic data of copolymer solutions. It includes volumetric, calorimetric, and various phase equilbrium data on more than 165 copolymers and 165 solvents, furnishing 250 vapor-pressure isotherms, 75 tables of Henry's constants, 50 LLE data sets, 175 HPPE data sets, and 70 PVT data tables.From the Preface: "...Data are included only if numerical values published or authors provided their numerical results by personal communication...The Handbook also highlights the work still to be done — obvious, when one compares the relatively small number of copolymer solutions for which data exist with the number of copolymers in use today. Additionally, only a small minority of possible solutions of the copolymers covered by this book were properly investigated (in relation to the combinatorial number of copolymer/solvent pairs, although it is appreciated that not all make thermodynamic sense or are of practical use)..."Target Audience: Researchers, specialists, engineers, and students working in the fields of polymer science, physical chemistry, chemical engineering, materials science, and those developing computerized predictive packages.

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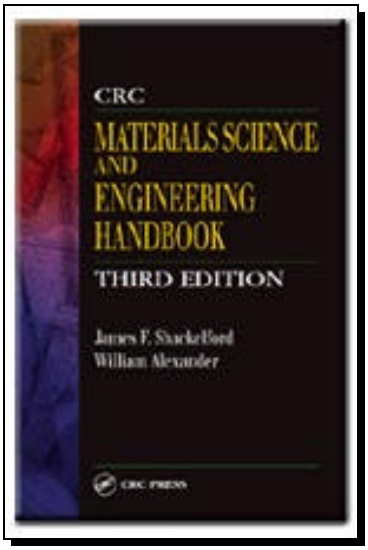
Title	Location	Edition / Series / Misc.

1280 **CRC Materials Science and Engineering Handbook, 3rd Ed.**

Author: James F. Shackelford and William Alexander
Publish.: CRC Press
- place:
- date: 2001
Subject: Materials Science - General Reference - OA/OC. Statistics. and
Desc: 1950 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849326966
Shelf

Edition:
Series:
Year: 2001
Price: $178.50



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604 .	General Reference
607 .	QA/QC, Statistics, and Testing
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

This definitive resource presents a comprehensive array of data on engineering materials which has been verified through major professional societies in the materials field, such as ASM International and the American Ceramic Society. For engineers making, selecting, or evaluating materials, this volume is an ideal starting point: organized by materials properties and including a key word indexing system, it is exceptionally easy to search — many data sets are presented in an extensive selection section, where materials can be compared by property value. This is ideal for design applications.A bestseller since its first edition, the Materials Science and Engineering Handbook consummate reference for data on the full spectrum of engineering materials. This edition has been significantly expanded, most notably by the addition of new tabular materials for a wide range of nonferrous alloys and various composite materials. It offers more than 300 tables covering all important engineering materials categories.Target Audience: Highly recommended for any reader who approaches materials science from a research, applications, or design perspective.

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Critical Thinking in Converting: A Guide to Industrial Problem-Solving

Title	Location	Edition / Series / Misc.

1366 **Critical Thinking in Converting: A Guide to Industrial Problem-Solving**

Author: David R. Roisum
Publish.: TAPPI Press
- place:
- date: 2002
Subject: Converting Technology - Coating Processes - Experimental Design
Desc: 274 p, 6.8 x 9.8 Paperback

Dynix:
Call No.:
ISBN: 1930657773
Shelf

Edition:
Series:
Year: 2002
Price: $88.50

Subjects

235 .	Coating processes
620 .	Converting Technology
627 .	Experimental Design and Analysis

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Determine the Options
Decide What to Do
Do Plan Your Project
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Reviews - Synopsis - Dust Jacket

This book offers a unique insight into the mental processes which are most effective in troubleshooting practical process problems. It illustrates many different problem-solving techniques, using examples drawn from the author's extensive experience in the converting industry. Once mastered, the tools and techniques presented in this book will allow you to approach any new problem with the confidence to unearth its workings and its cause(s). The key is to focus on a full understanding of the problem; the solutions will then come naturally. The style allows readers with no technical background to benefit greatly — a working knowledge of the terminology and concepts that are common in web manufacturing is expected. Every converting shop should have a copy in its reception area and lunch room, as well as in its library and among the personal collections of key employees. Extremely highly recommended.From the Foreword: “Those readers who enjoyed my trilogy will find the flavor very different in this new series of books [two more are in the works]. While and other technical paraphernalia, subjective areas of knowledge and understanding...The primary purpose of this book is to teach many different problem solving techniques by example. The examples often come from converting — hence the title — but could also come from everyday life...”From “How to Use This Book”: “You can access the material in this book in many different ways depending on your needs. You could read it like a novel from beginning to end because the stepwise sequence is the same order you typically use to solve a problem...A reader can also use the material as a textbook with parts used solely or with other materials to teach a course in critical thinking or problem solving. For puzzle lovers, the book contains many examples that begin with a problem statement (goal) and observations (data) before proceeding to the analysis and solution. You may stop at any point and consider how you would proceed or what conclusions you would draw from the description at that point...Finally, the book is useful as a tour of human perception and thinking...”Target Audience: A vast audience — the entire population of manufacturing and technical services employees in the converting industry, and in countless other industries which can draw from the examples and concepts presented in this book.

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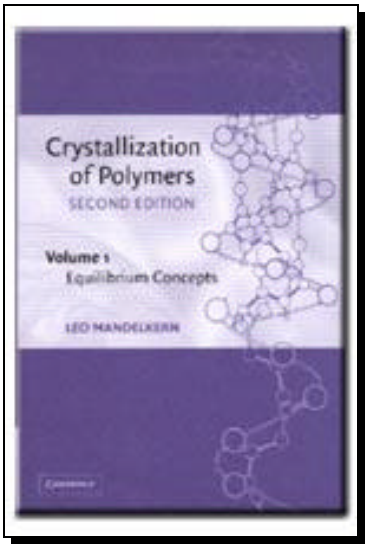
Title	Location	Edition / Series / Misc.

1378 **Crystallization of Polymers, 2nd Ed. [Vol. 1: Equilibrium Concepts]**

Author: Leo Mandelkern
Publish.: Cambridge University Press
- place:
- date: 2002
Subject: Polymer Science - Recommend this Site
Desc: 448 p, 6.8 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 521816815
Shelf

Edition:
Series:
Year: 2002
Price: $93.50



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This first volume in a completely revised three volume second edition of demonstrating that knowledge of the equilibrium requirements is vital to understanding all aspects of the polymer crystallization process and the final state that eventually evolves. All classes of macromolecules are included and the approach is through the basic disciplines of chemistry and physics. The book discusses the thermodynamics and physical properties that accompany the morphological and structural changes that occur when a collection of molecules of very high molecular weight is transformed from one state to another.The two forthcoming volumes will discuss kinetics and mechanisms; and structure, morphology, and properties.From the Preface: “Since the publication in 1964 of the first edition of scientific activity in the study of crystalline polymers. This abundance that we enjoy has ranged from the synthesis of new classes of crystalline polymers to the application of sophisticated experimental techniques, accompanied by significant theoretical advances...Emphasis has been given to the basic, underlying principles that are involved. A considered effort has been made to present as diverse a set of examples as possible, illustrating the principles involved...”Target Audience: Chemists, physicists, materials scientists and students of these disciplines who are concerned with polymer crystallization.

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Cure Assessment by Physical and Chemical Techniques (Rapra Review Report 68)

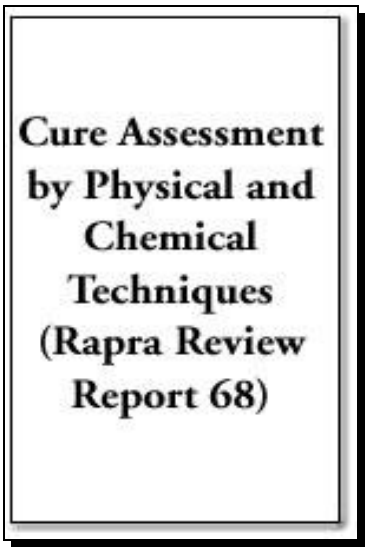
Title	Location	Edition / Series / Misc.

1031 **Cure Assessment by Physical and Chemical Techniques (Rapra Review Report 68)**

Author: B.G. Willoughby
Publish.: Rapra
- place:
- date: 1994
Subject: Curing and Photopolymerization Processes - Inks and Coatings -
Desc: 122 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859570003
Shelf

Edition:
Series:
Year: 1994
Price: $61.50



Subjects

603 .	Inks and Coatings
612 .	Curing and Photopolymerization Processes
617 .	Paints and Protective Coatings

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Chemical Property Measurements
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Reviews - Synopsis - Dust Jacket

This review report describes the curing process, and then reviews the theory and implementaion of a wide range of measuring techniques. Physical property measurements evaluated include modulus, hardness, viscosity and swelling, as well as dielectric and ultrasonic techniques. Methods which measure chemical changes include IR and NMR spectroscopy, gas chromatography, differential scanning calorimetry (DSC), and `wet' analytical techniques.From the Introduction: "...This report is an attempt to critically evaluate cure assessment techniques covering both physical and chemical monitoring methods. The approach to making meaningful comparisons amongst such a diversity of techniques has been to set out to define what is being measured and what is its relevance to cure..."Rapra Review Reports contain a brief overview of the topic, followe extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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Cure Monitoring for Composites and Adhesives (Rapra Review Report 164)

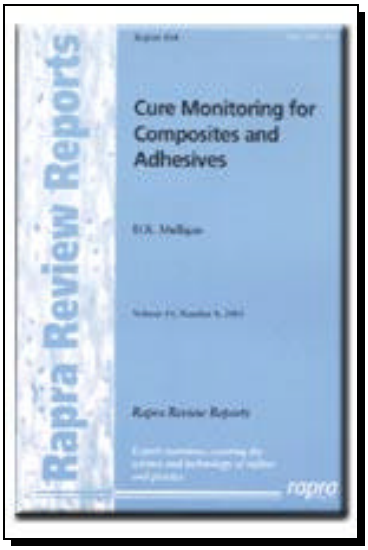
Title	Location	Edition / Series / Misc.

1541 **Cure Monitoring for Composites and Adhesives (Rapra Review Report 164)**

Author: David R. Mulligan
Publish.: Rapra
- place:
- date: 2003
Subject: Curing and Photopolymerization Processes - Biopolymers and Medi
Desc: 116 p, 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859573932
Shelf

Edition:
Series:
Year: 2003
Price: $128.50



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Reviews - Synopsis - Dust Jacket

This review is devoted primarily to coverage of the range of techniques used for cure monitoring, grouped in terms of the properties measured: thermal, mechanical, electrical and optical. Laboratory analysis is also discussed, but the emphasis is on practical application. Consideration is also given to topics such as process modeling, off-line cure assessment, and quality control. This reference tool contains 330 abstracts from Rapra's Polymer Library database.From the Introduction: "...For the purpose of this review, cure monitoring has been defined as the on-line or in-line assessment of the degree-of-cure. That is, the degree-of-cure is evaluated either on the product or in parallel with production. This definition is considered to be equivalent to real-time cure monitoring; a phrase is preferred by some authors..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

Subjects

612 .	Curing and Photopolymerization Processes
622 .	Biopolymers and Medical Applications
625 .	Composites, Laminates, and Fibers

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Title	Location	Edition / Series / Misc.

1170 **Design and Optimization of Laminated Composite Materials**

Author: Zafer Gurdal, Raphael T. Haftka, and Prabhat Hajela
Publish.: Wiley - Interscience
- place:
- date: 1999
Subject: Composites, Laminates, and Fibers - Materials Science
Desc: 349 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 47125276
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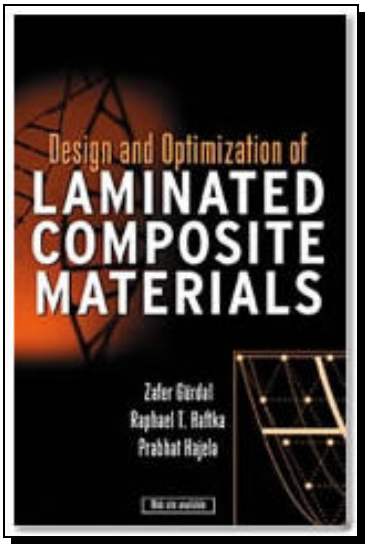
Edition:
Series:
Year: 1999
Price: $105.00



Subjects

609 .	Materials Science
625 .	Composites, Laminates, and Fibers

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Reviews - Synopsis - Dust Jacket

This book will expand your design horizons with a thorough, integrated knowledge of laminate mechanics and design optimization techniques. It features a rational, integrated presentation, supplemented with case studies, practice exercises, and valuable programming tips.Design and Optimization of Laminated Composite Mater presents selected optimization methods that are suited to the design of laminates with discrete thickness and orientation angles; offers guidelines on getting the most out of numerical and graphical software applications for laminate optimization problems; delineates failure criteria for laminated composites; and more. Access to a companion web site containing Mathematica-based programs and helpful tutorials is also provided.From the Preface: "...This book has been developed for senior-level undergraduate or early graduate courses in numerical design methods for laminated composite materials...[T]he book may be used in aerospace engineering, civil engineering, engineering science and mechanics, and mechanical engineering curricula. In addition, the book has technical material useful for practicing engineers in related fields. Researchers in composite materials are likely to benefit from the state of the art methods introduced in the book..."Target Audience: Composites, aerospace, mechanical and design engineers; materials scientists; and students interested in laminated composite structures.

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Title	Location	Edition / Series / Misc.

1142 **Design Controls for the Medical Device Industry**

Author: Marie B. Teixeira and Richard Bradley
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: QA/QC, Statistics, and Testing - Biopolymers and Medical Applicatio
Desc: 250 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 82470830
Shelf

Edition:
Series:
Year: 2003
Price: $116.50

Subjects

607 .	QA/QC, Statistics, and Testing
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

This reference provides strategies and templates for the implementation of effective design control programs that meet current ISO 9000 and FDA QSR standards and regulations — offering product development models for the production of safe, durable, and cost-efficient medical devices and systems. Detailing procedures utilized by leading companies to meet FDA and end-user requirements, manufacture of high quality products, and improve and generate profit,
Industry
identify customer needs, resolve project objectives, process inconsistencies and discrepancies; determine the compatibility of design specifications with manufacturing, installation, and servicing demands; and much more.From the Preface: "...Throughout this book, we approach design control as a mandated regulation for the medical device industry in the United States. Companies that develop and manufacture class III, class II, and certain class I devices must have a design control program in place. But there is another, and in some ways more important definition of design control. Simply stated, it is a process that allows a company to make a high-quality product, from inception through production, and be reasonably sure that the resources spent in the development will result in a product that works, is useful, and is what the customer needs..."Target Audience: Biomedical, quality assurance, reliability software,
product design, manufacturing, research and development, and industrial engineers; project directors and managers; biomedical technicians; and upper-level student in these disciplines.

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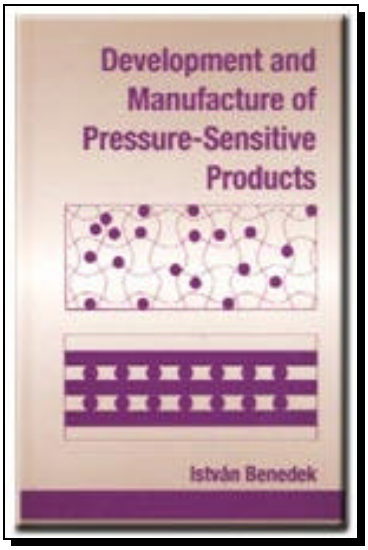
Title	Location	Edition / Series / Misc.

1145 **Development and Manufacture of Pressure-Sensitive Products**

Author: Istvan Benedek
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: Adhesives and Adhesion - Coating Processes - Converting
Desc: 692 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824702069
Shelf

Edition:
Series:
Year: 1999
Price: $188.50



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235 .	Coating processes
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Reviews - Synopsis - Dust Jacket

This instructive guide offers a detailed analysis of pressure-sensitive products (PSPs), covering both the scientific principles underlying their manufacture and a variety of applications in packaging, medicine, and electronics. It is intended to help manufacturing technologists and researchers choose the proper pressure-sensitive technology and the most appropriate product grade for various operations.Development and Manufacture of Pressure-Sensitive Products compares the manufacture of PSPs using plastics processing and adhesive coating techniques; describes both adhesiveless and adhesivated PSPs; differentiates the offline/inline manufacturing technologies; outlines diecutting, perforating, embossing, winding, and folding properties; contrasts the performance of various PSPs; illustrates the underlying principles of polymer science governing pressure-sensitive products technology; examines labels, tapes, and protective films; and more.From the Preface: “Over the last two decades the manufacture and application of pressure-sensitive products have developed from a largely empirical body of accumulated practical knowledge to an increasingly sophisticated science utilizing the most advanced techniques of physics, chemistry, and engineering. Pressure-sensitive labels, tapes, protective films, seals, business forms, etc., are used in medicine, pharmaceutical applications, electronic circuits, and assembly of machine parts as well as in product promotion, coding, and packaging...”Target Audience: Adhesives chemists and technologists; physic surface, colloid, chemical, mechanical, assembly, automotive, and plastics engineers; materials and polymer scientists; rheologists; chemical technologists; organic, physical, polymer, and surface chemists; and upper-level undergraduate and graduate students in these disciplines.

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Developments in Colorants for Plastics (Rapra Review Report 157)

Title	Location	Edition / Series / Misc.

1519 **Developments in Colorants for Plastics (Rapra Review Report 157)**

Author: Ian N. Christensen
Publish.: Rapra
- place:
- date: 2003
Subject: Pigments, Dyes, and Colorants - Recommend this Site
Desc: 120 p, 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859573738
Shelf

Edition:
Series:
Year: 2003
Price: $128.50

Subjects

626 .	Pigments, Dyes, and Colorants
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This review identifies and describes the colorants — both insoluble pigments which are employed as dispersions, and dyes, which are soluble in the polymer melt — that are widely used in the plastics industry. Recent introductions are described in every area from the highly competitive yellow segment through to the very stable blue segment. Current trends in coloration are also discussed.From the Introduction: "...This review [focuses] on the main thermoplastics: polyvinyl chloride, polyolefins, styrenics, and engineering resins, and the main plastic shaping techniques: injection moulding, roto-moulding, extrusion, casting, thick and thin section moulding and blown film. The notable exclusion is mass colouration of synthetic fibres. Many of the observations made about the colouring of plastics also apply to such fibre applications, however, the higher colorant loadings and demanding processing conditions tend to set a higher performance hurdle that excludes or limits the use of a number of the colourants that are recommended for plastics..."Rapra Review Reports contain a brief overview of the topic, follow extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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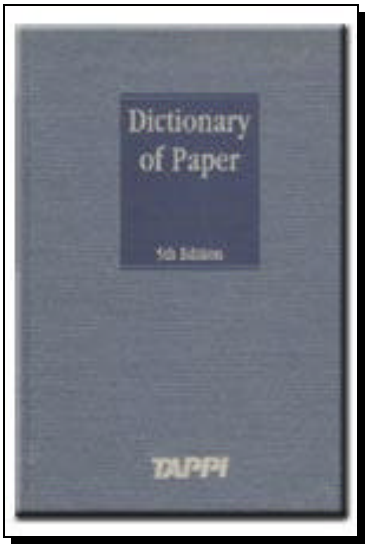
Title	Location	Edition / Series / Misc.

1048 **Dictionary of Paper, 5th Ed.**

Author: Michael Kouris, ed.
Publish.: TAPPI Press
- place:
- date: 1996
Subject: Paper and Paperboard - General Reference
Desc: 353 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 898520592
Shelf

Edition:
Series:
Year: 1996
Price: $83.50



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Reviews - Synopsis - Dust Jacket

This exhaustive reference defines over 5,300 terms commonly used in the paper and pulp industries. It is the most comprehensive dictionary ever published by TAPPI. It also contains tables of metric units of measure, the relationship between metric and traditional forest product measurements, and grammage of paper and paperboard.From the Introduction: "...The past decade has proved ev the most ostrich-like among us that change is not a buzzword, but a reality...What became obvious as the revision committee met was that the terminology base needed to be more closely aligned with existing sources such as the Thesaurus of Pulp and Paper Terms from specific segments of the paper and related industries. Glossaries from many associations and industries have been incorporated into this dictionary, expanding the coverage and hence, the usefulness of this product..."Target Audience: Anyone requiring an authoritative reference to paper terminology, whether in industry or academia.

Subjects

604 .	General Reference
615 .	Paper and Paperboard

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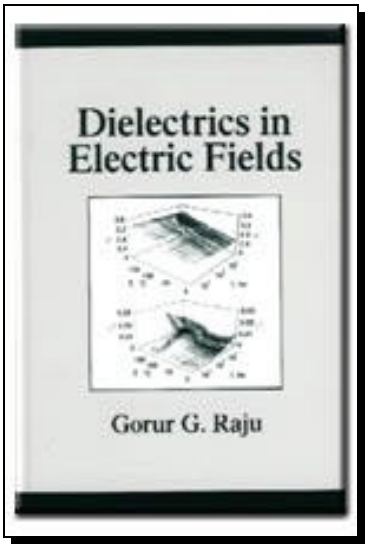
Title	Location	Edition / Series / Misc.
1444 **Dielectrics in Electric Fields**		*Edition:*
Author: Gorur G. Raju	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824708644	
- date: 2003	*Shelf*	*Year:* 2003
Subject: Materials Science - Plastic Films		*Price:* $155.00
Desc: 596 p, 7 x 10 Hardcover		



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301 .	Plastic films
609 .	Materials Science

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Fundamental Aspects of Gaseous Breakdown - I
Fundamental Aspects of Electrical Breakdown - II
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Reviews - Synopsis - Dust Jacket

This volume examines the influence of electric fields on dielectric materials, exploring their distinctive behavior through well-established principles of physics and engineering and review of recent literature on dielectrics.
phenomena in dielectrics; the complex dielectric constant in an alternating electric field; dielectric relaxation and interfacial polarization; the measurement of absorption and desorption currents in time domains; high field conduction phenomena; Monte Carlo simulations of negative and positive coronas in SF
discharge; and more. The net effect is to help the reader understand nontraditional applications of dielectric studies.From the Preface: "...Deeper insight into the interaction between electric fields and molecules has resulted in many new applications...Polymer scientists are interested in understanding the role of long chain molecules in varied applications ranging from heat resistant dielectrics to self-repairing plastics. The intensity of research in this area, after a brief respite, has resumed at a furious pace...The book explains the behavior of dielectrics in electric fields in a fundamentally unifying approach that is based on well-established principles of physics and engineering. Though excellent monographs exist on specialized topics dealing with a relatively narrow area of interest, there is a need for a broader approach to understand dielectrics..."Target Audience: Physicists, chemists, material scientists, electrical engineers, and other researchers, technologists, and upper-level students concerned with understanding the behavior of dielectrics in electric fields.

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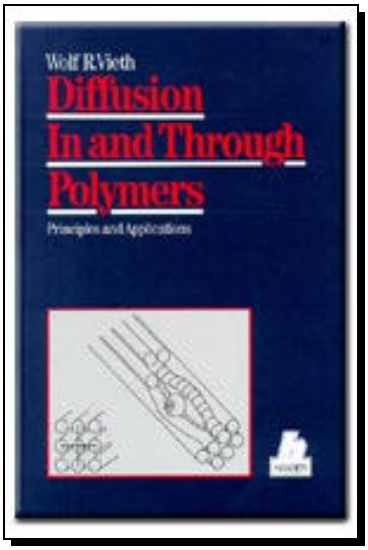
Title	Location	Edition / Series / Misc.

1041 **Diffusion in and Through Polymers: Principles and Applications**

Author: W.R. Vieth
Publish.: Hanser Gardner
- place:
- date: 1991
Subject: Polymer Science - Biopolymers and Medical Applications - Solubilit
Desc: 336 p, Hardcover

Dynix:
Call No.:
ISBN: 1569901066
Shelf

Edition:
Series:
Year: 1991
Price: $61.50



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605 .	Solubility and Surfactants
610 .	Polymer Science
622 .	Biopolymers and Medical Applications

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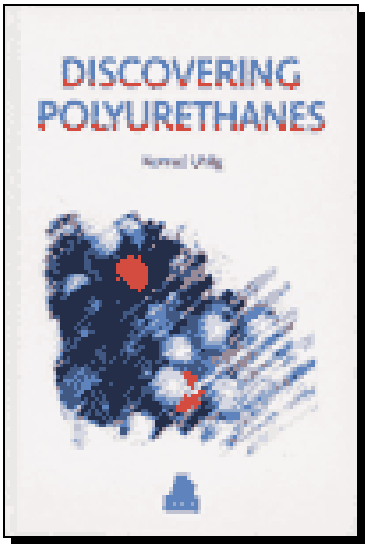
Title	Location	Edition / Series / Misc.

1558 **Discovering Polyurethanes**

Author: Konrad Uhlig
Publish.: Hanser Gardner
- place:
- date: 1999
Subject: Plastics Processing Technology
Desc: 183 p., 6.3 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1569902720
Shelf

Edition:
Series:
Year: 1999
Price: $55.00



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628 .	Plastics Processing Technology

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How Is Polyurethane Produced?

The Chemistry Must Be Right!

The Quality Must Be Right

Waste and Recycling

Polyurethane Know-how

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Reviews - Synopsis - Dust Jacket

This concise, easy to understand introduction to polyurethanes addresses the polyurethane market, classification of types, properties, production, chemistry, additives, waste and recycling issues, and more.

From the Preface: "...This book is intended mainly for existing and potential polyurethane processors who supply markets with products made from raw materials from the chemical industry. This book will not replace technical discussion but will serve as an introduction. The text also contains useful information for end consumers or, more appropriately, end users. The book provides notes about PU raw materials and processing for plant and machinery builders..."

Target Audience: Sales personnel, engineers, and designers who need a brief overview of polyurethanes.

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Title	Location	Edition / Series / Misc.

1264 **Drops and Bubbles in Interfacial Research**

Author: D. Mobius and R. Miller, eds.
Publish.: Elsevier
- place:
- date: 1998
Subject: Interfacial Engineering and Surface Science - Adhesives and
Desc: 726 p, 6.5 x 9.5 Hardcover . .
Emulsions

Dynix:
Call No.:
ISBN: 44482894
Shelf

Edition:
Series:
Year: 1998
Price: $235.00

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600 .	Interfacial Engineering and Surface Science
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622 .	Biopolymers and Medical Applications

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The Maximum Bubble Pressure Tensiometry
The Oscillating Bubbles Method
Physico-Chemical Hydrodynamics of Rising Bubble
Pulmonary Surfactant and Biophysical Function
High Temperature Tensiometry
Dynamics of the Impact Interaction Between a Fine Solid Sphere and a Plane Gas—Liquid Interface
Interactions of Emulsion Drops
From Stalagmometry to Tensiography: The Definition of the Instrumental, Software and Analytical Requirements for a New Departure in Drop Analysis
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Reviews - Synopsis - Dust Jacket

The shape of drops and bubbles is the center of interest for many interfacial scientists. This book describes recent advances in the use of drops and bubbles in fundamental research and applications. It starts with a general discussion of the mechanics of fluid menisci; this introduction is followed by individual chapters providing in-depth discussions of various drop and bubble test techniques, including ADSA, drop volume and spinning drop tensiometry, maximum bubble pressure, oscillating bubbles, and more.From the Foreword: "...Several of the described techniques are available as commercial instruments. The book will serve as an up to date guide to understand the methods, to show their advantages and disadvantages, to specify the range of application and to explain their experimental limits. For other methods just laboratory set-ups exist and the book will give insight into how to design them and what are the key questions to be solved in order to get accurate results. Especially these prototype instruments give access to completely new phenomena or allow studies of particular properties, such as is true for the oscillation mode analysis of drops, the force measurements between two liquid phases or the shape analysis of growing drops using modern light fibre techniques..."Target Audience: All users of commercial instruments based on
principles such as drop volume, spinning drop and maximum bubble pressure techniques. Also scientists and engineers using unique or custom-made droplet tensiometry or contact angle measurement setups.

© Compuperk 1999-2004

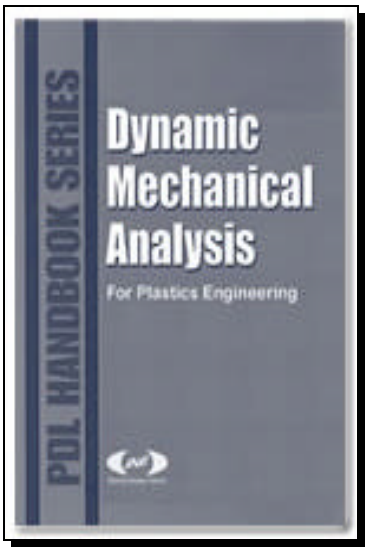
Title	Location	Edition / Series / Misc.

1133 **Dynamic Mechanical Analysis for Plastics Engineering**

Author: Michael P. Sepe
Publish.: Plastics Design Library
- place:
- date: 1998
Subject: Polymer Characterization - Plastics Processing Technology - Polym
Desc: 200 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1884207642
Shelf

Edition:
Series:
Year: 1998
Price: $205.00



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Reviews - Synopsis - Dust Jacket

This databook describes practical uses for DMA, covering 120 families of thermoplastics. All tests were conducted exclusively for this publication, and the data are not available through any other source. The book explains the correlation between time and temperature-dependence and illustrates the ways in which time-dependent responses such as creep and stress relaxation affect the practical utility of different materials. Four-color graphs present material performance information in an easy-to-digest format. Basic polymer structures are discussed, and test results show how these structural details can be detected and understood.From the Foreword: "...All plastic materi have been tested using the same methods and therefore comparison of the results is very meaningful. In addition to providing performance data on a broad spectrum of plastics, [this book] provides an excellent discussion of how to use DMA data and what it means, practically speaking, to the plastics engineer. After reading this manuscript, the versatility and necessity of using DMA data as a powerful engineering tool becomes apparent and clear..."Target Audience: Polymer and plastics engineers, designers, technologists, and researchers; also upper-level students interested in plastics engineering and analysis.

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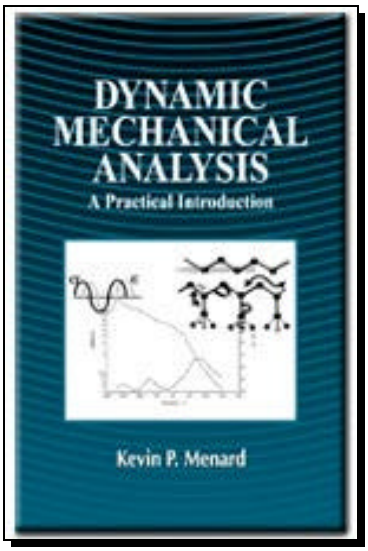
Title	Location	Edition / Series / Misc.

1166 **Dynamic Mechanical Analysis: A Practical Introduction to Techniques and Applications**

Author: Kevin P. Menard
Publish.: CRC Press
- place:
- date: 1999
Subject: Polymer Characterization - Materials Science - Plastics Processing
Desc: 224 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 849386888
Shelf

Edition:
Series:
Year: 1999
Price: $71.50



Subjects

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613 .	Polymer Characterization
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An Introduction to Dynamic Mechanical Analysis
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Reviews - Synopsis - Dust Jacket

Dynamic mechanical analysis has left the exclusive domain of the rheologist, becoming a prevalent tool in the analytical laboratory. This practical introduction to the field provides a starting point from which to delve into the applications of DMA, its workings, and its advantages and limitations. Discussions include rheological concepts, stress—strain relationships, data handling, experimental techniques and considerations, test methods such as frequency sweeps and time—temperature curves, data analysis, and more. The book includes a strong presentation of real-life DMA applications.From the Preface: "...In many ways, DMA is the most accessible and usable rheological test available to the laboratory. Often its results give clear insights into material behavior. However, DMA data is most useful when supported by other thermal data, and the use of DMA data to complement thermal analysis is often neglected. I have tried to emphasize this complementary approach to get the most information for the cost in this book, as budget constrints seem to tighten each year. DMA can be a very cost-effective tool when done properly, as it tells you quite a bit about material behavior quickly..."Target Audience: Chemists, polymer chemists, chemical and mechanical engineers, materials scientists working in rheology or thermal analysis, and students in these disciplines.

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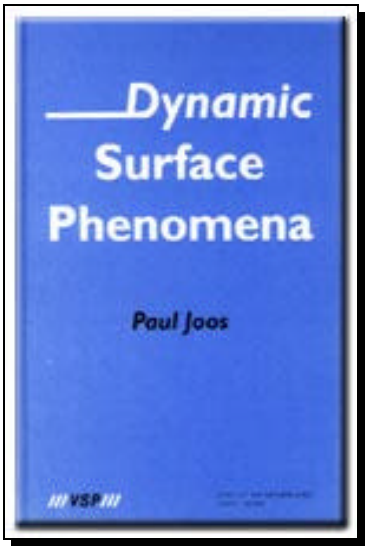
Title	Location	Edition / Series / Misc.

1463 **Dynamic Surface Phenomena**

Author: Paul Joos
Publish.: VSP
- place:
- date: 1999
Subject: Surface Characterization and Analysis - Interfacial Engineering and
Desc: 374 p, 6.7 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067643009
Shelf

Edition:
Series:
Year: 1999
Price: $193.50



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600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis

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Reviews - Synopsis - Dust Jacket

This monograph delivers a comprehensive introduction into the fast developing research field of dynamic processes at liquid/gas and liquid/liquid interfaces. Theory and experimental results are considered systematically and discussed with respect to processes at interfaces. Dynamic Surface Phenomena compendium of accumulated knowledge for more experienced practitioners. It is the first extensive review available on the subject of dynamics of adsorption and gives a general summary of the current state of adsorption kinetics theory and experiments.From the Foreword: "...The book also reviews recent progress in new-designed set-ups and improved and generalised known methods for studying interfacial relaxations. So far insufficiently described processes like adsorption from micellar solutions or adsorption with transfer across the interface are included. Also the very recent developments of interfacial molecular processes on the dynamics of adsorption layers, such as molecular reorientation and aggregation, are described in detail. The book also describes present theories of the effect of dynamic adsorption layers on mobile surfaces, such as deformed drops and bubbles, based on both diffusion and kinetic controlled adsorption models and introduces efficient approximate analytical methods to solve the mathematical problem of coupling between surfactant transport and hydrodynamics..."Target Audience: Scientists, technologists, and postgraduate students interested in the fundamentals of non-equilibrium interfacial properties.

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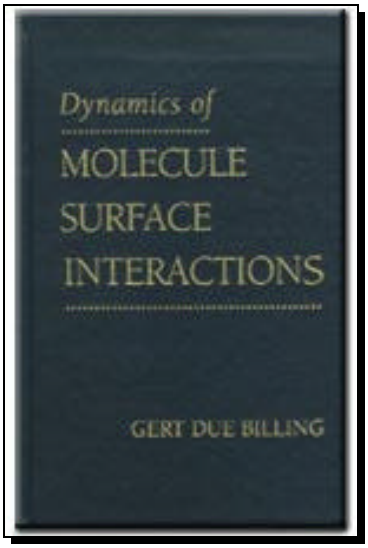
Title	Location	Edition / Series / Misc.

1479 **Dynamics of Molecule Surface Interactions**

Author: Gert Due Billing
Publish.: Wiley - Interscience
- place:
- date: 2000
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Desc: 246 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471331082
Shelf

Edition:
Series:
Year: 2000
Price: $101.50



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715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

Dynamics of molecule—surface interaction is a new interdisciplinary field positioned in the realm between physics and chemistry. Thus it is possible to take the chemist's or the physicist's point of view. This text primarily sides with the chemist, emphasizing the molecular dynamical perspective, rather than a kinetic, macroscopic approach to surface interactions in many-body systems. The treatment is well-referenced and rigorous.From the Preface: "...The content of the book has been used in courses at the graduate as well as the undergraduate level for physics students interested in chemistry and vice versa. Parts of the book are rather elementary and other parts more advanced. A number of exercises have been added to the text. This is done in order for the student to get a better feeling for the various proofs and approximations which have been omitted in the text. The answer section gives a fairly complete solution of these exercises..."Target Audience: Primarily students of surface and colloid chemistry, materials science, atomic and molecular physics, and similar disciplines; also professional researchers and technologists concerned with these fields.

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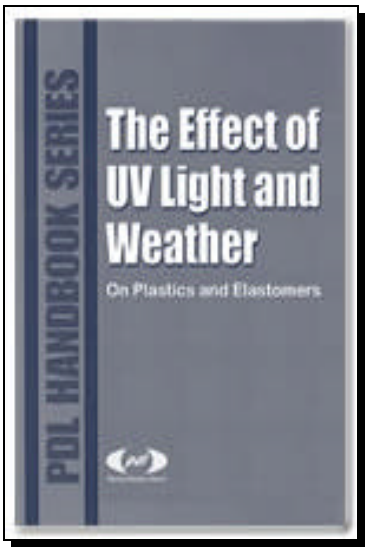
Title	Location	Edition / Series / Misc.

1028 **Effect of UV Light and Weather on Plastics and Elastomers**

Author: Plastics Design Library Staff
Publish.: Plastics Design Library
- place:
- date: 1994
Subject: Wear, Weathering, and Tribology - Additives - Extrusion - Materials
Desc: 491 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 1884207111
Shelf

Edition:
Series:
Year: 1994
Price: $205.00



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611 .	Additives
614 .	Wear, Weathering, and Tribology

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Reviews - Synopsis - Dust Jacket

Ultraviolet rays, heat and moisture cause millions of dollars of damage every year to materials exposed to the environment. Understanding the weatherability of plastics and rubber is the only way to predict the durability of an end product. With that in mind, this exhaustive databank was assembled by the staff at PDL. It describes how the various elements of weathering affect the properties and characteristics of numerous plastics and elastomers, also paying attention to the effects of additives and fillers and to the special properties of alloys and blends.From the Introduction: "...The basic physical characteri of polymers are generally well defined by manufacturers. The effects of weathering methods, however, are not well compiled. This volume serves to turn the vast amount of disparate information from wide ranging sources...into useful engineering knowledge. The information provided ranges from a general overview of the resistance of various plastics and elastomers to weathering (ultraviolet light, moisture, heat) to detailed discussions and test results..."Target Audience: Design and reliability engineers, forensic specialists, materials scientists and specifiers, and anyone else concerned with environmental degradation of plastics and elastomers.Brief Table of Contents:Introduction
Thermoplastics
Thermoplastic Blends/Alloys
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Thermosetting Elastomers (Rubbers)
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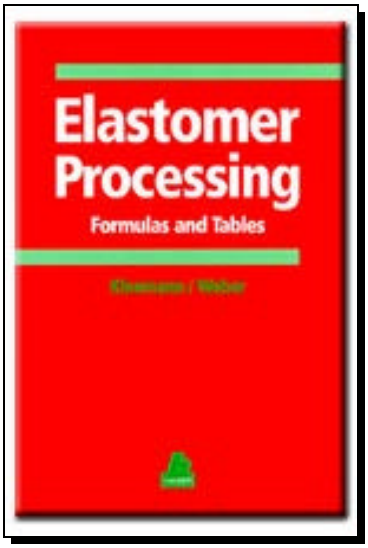
Title	Location	Edition / Series / Misc.

1255 **Elastomer Processing: Formulas and Tables**

Author: Werner Kleeman and Kurt Weber
Publish.: Hanser Gardner
- place:
- date: 1998
Subject: Plastics Processing Technology - Additives
Desc: 214 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1569902658
Shelf

Edition:
Series:
Year: 1998
Price: $55.00



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628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

The development and optimization of rubber compounds for the rubber industry is greatly facilitated by advance knowledge of characteristic values for a large number of compound ingredients, as well as information on how these ingredients influence the processing operation and the properties of the vulcanized product.In this brief but valuable volume, these characteristic values and their functional correlations, which previously were scattered across a wide range of reference books, journal articles, conference proceedings, and company literature, are combined. The equations and calculation methods presented in
together with the various product tables, can be used to calculate influences on the property profile of compound systems from the functional relationships presented. The time and outlay spent on experimental work can thus be reduced, and the risk of erroneous developments can be minimized.From the Preface: "...The main principle [of this book is] to provide a fundamental tool for chemists working in the field of compounding, using calculation functions, evaluation methods, and tables of material characteristics. We hope that this edition, too, will meet the challenge to render more transparency to the experts concerning relations between material properties and those of compounds and vulcanizates as well as technological processes, and to make literature work easier to solve daily problems. However this book is not supposed to and cannot replace textbooks on rubber processing..."Target Audience: Rubber chemists, engineers and processors; materials engineers; and students interested in rubber compounding and related fields.

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Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications

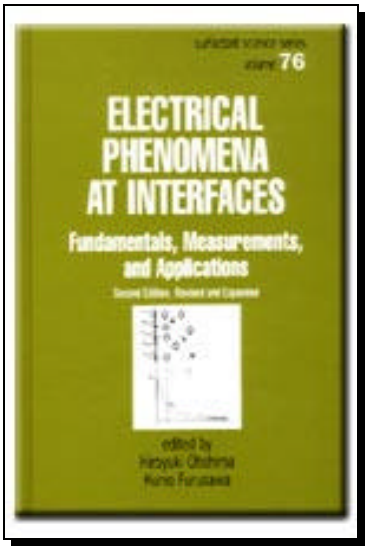
Title	Location	Edition / Series / Misc.

1121 **Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications**

Author: Hiroyuki Ohshima and Kunio Furusawa, eds.
Publish.: Marcel Dekker
- place:
- date: 1998
Subject: Interfacial Engineering and Surface Science - Colloids and
Desc: 645 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824790391
Shelf

Edition:
Series:
Year: 1998
Price: $213.50



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621 .	Colloids and Emulsions

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Emulsion Polymerisation and Latex Applications (Rapra Review Report 160)

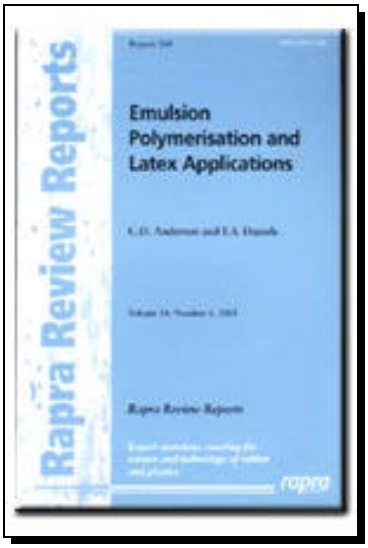
Title	Location	Edition / Series / Misc.

1522 **Emulsion Polymerisation and Latex Applications (Rapra Review Report 160)**

Author: Christopher D. Anderson and Eric S. Daniels
Publish.: Rapra
- place:
- date: 2003
Subject: Colloids and Emulsions - Polymer Science
Desc: 150 p, 8.2 x 11.6 Paperback

Dynix:
Call No.:
ISBN: 1859573819
Shelf

Edition:
Series:
Year: 2003
Price: $128.50



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Reviews - Synopsis - Dust Jacket

Latexes are currently undergoing extensive research and development as replacements for many solvent-based systems, in fields as diverse as adhesives, inks, drug delivery systems, coatings, floor polishes, films, paints, medical assay kits, carpet backing, and cosmetics. Latex is also used to alter properties of other materials — examples include impact modification of polystyrene and improvement of tensile properties in cement. This review covers emulsion polymerisation methods, quality control and characterization, classification of emulsion polymers, and various current and potential applications.From the Introduction: “This article will provide a general overview of the emulsion polymerisation process and explain how the resulting latexes are used in industrial applications. An introduction to the basic concepts of emulsion polymers will be given, followed by a description of the various production processes and characterisation methods. The classes of emulsion polymers will be surveyed, and the commercial technologies and potential future uses discussed...Latexes are liquids (typically aqueous) in which microscopic polymer particles are dispersed. Latexes start out as monomer emulsions (i.e., monomer droplets immiscibly dispersed in water). The emulsions are subsequently polymerised to form latexes...”Rapra Review Reports contain a brief overview o topic, followed by
extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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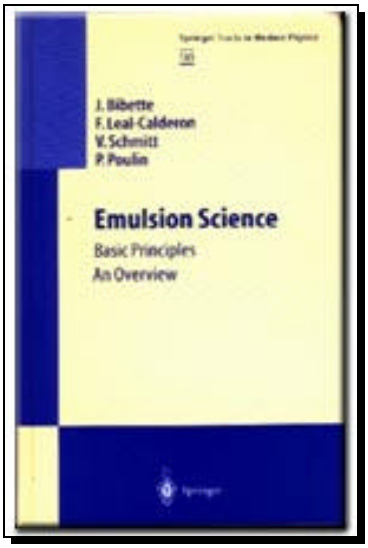
Title	Location	Edition / Series / Misc.

1516 **Emulsion Science: Basic Principles, An Overview**

Author:
Publish.: Springer
- place:
- date: 2002
Subject: Colloids and Emulsions - Recommend this Site
Desc: 148 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 3540436820
Shelf

Edition:
Series:
Year: 2002
Price: $86.50



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621 .	Colloids and Emulsions
715 .	Recommend this Site

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Phase Transitions
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Reviews - Synopsis - Dust Jacket

This book offers an overview of the most recent advances in emulsion science. It describes underlying principles — covering aspects of emulsions from their preparation to their destruction — in close relation to both the fundamental physics and applications of these materials. The basic principles set out in the book will help the reader effectively produce controlled, repeatable emulsions for use in increasingly complex and technologically challenging applications.From the Preface: “Emulsions occur either as end products or during th processing of products in a huge range of areas including the food, agrichemical, pharmaceuticals, paints and oil industries. As end products, emulsions allow to avoid organic solvent in processing hydrophobic coatings. Emulsion technology is a suitable approach to vehicle viscous phases. It is also a remarkable means of targeting actives or capturing specific species. The range of applications of emulsions progresses and their manufacturing becomes more and more sophisticated...”Target Audience: Engineers and researchers working new emulsion applications, as well as upper-level students aiming to understand the basics of emulsion science.

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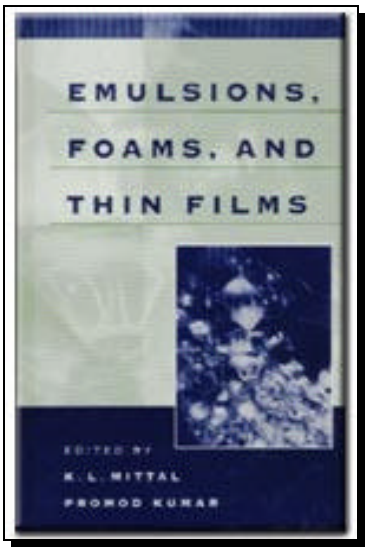
Title	Location	Edition / Series / Misc.

1308 **Emulsions, Foams, and Thin Films**

Author: K.L. Mittal and Promod Kumar, eds.
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Interfacial Engineering and Surface Science - Biopolymers and
Desc: 512 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824703669
Shelf

Edition:
Series:
Year: 2000
Price: $168.50



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600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

This comprehensive reference explores a diverse range of subjects related to coating, food, emulsions, lung surfactants, drug delivery, oil recovery and flotation separations, agrochemicals, defoaming, and more. It presents the accomplishments of over 85 internationally renowned scientists whose work has been influenced by Professor Darsh Wasan's groundbreaking research on interfacial phenomena conducted at the Illinois Institute of Technology in Chicago.Emulsions, Foams, and Thin Films flocculation, coalescence, and floc fragmentation in determining the rate of destabilization and phase separation in various systems, such as in oil—water and fat—particle emulsions as well as oil—water—surfactatant systems. It explores the dependence of foam stability on the properties of interfacial films and on elastic and viscous properties of films, in both aqueous and nonaqueous systems. It also analyzes the behavior of thin liquid films in varied systems and processes; highlights new findings regarding protein—surfactant interactions at interfaces, detailing recent research on the adsorption behavior in mixed surfactant systems; and more. Target Audience: Physical, surface, and colloid chemists; cosmetic scientists and technologists; food and pharmaceutical scientists; chemical engineers; and upper-level undergraduate and graduate students in these disciplines.Brief Table of Contents:General Overviews
Emulsions
Foams
Thin Films
Adsorption and Monolayers
General Papers
Index

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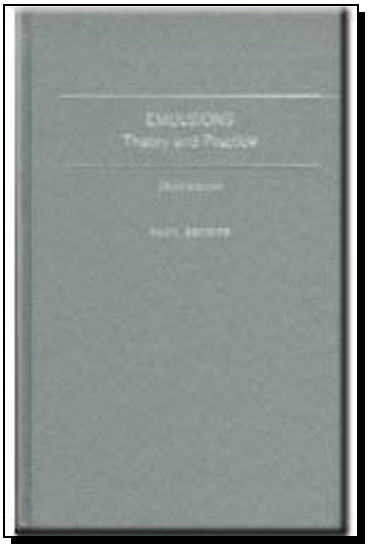
Title	Location	Edition / Series / Misc.

1410 **Emulsions: Theory and Practice, 3rd Ed.**

Author: Paul Becher
Publish.: American Chemical Society
- place:
- date: 2001
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Scienc
Desc: 520 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 841234965
Shelf

Edition:
Series:
Year: 2001
Price: $98.50



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600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions

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Emulsion Stability: Simple Theories
Emulsion Stability: Advanced Theories
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Formulation of Emulsions: Choice of Emulsifier
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Reviews - Synopsis - Dust Jacket

The third edition of this classic volume serves as an introduction to the study and formulation of emulsions. It discusses background theory, the physical properties of emulsions, theories of emulsion stability and instability, emulsifying agents and their chemistry, formulation procedures and techniques, and industrial applications of emulsification and demulsification.From the Preface: “The first two editions of this book appeared in 1957 and 1965. In the early 1980s, it became apparent that a new edition was needed, owing to the introduction of new theoretical and experimental approaches to the problems of emulsions, not the least of which is the substantial literature on microemulsions...In writing this book, much material has been transferred from the second edition, resulting in a number of references to quite old work. However, I am a firm believer in Santayana's rule, `Those who cannot remember the past are condemned to repeat it.' This is even more true of science than of almost any other field of human endeavor...”Target Audience: Chemists, formulators, process engineers, upper-level students, academic and industrial researchers, and any other reader concerned with emulsions.

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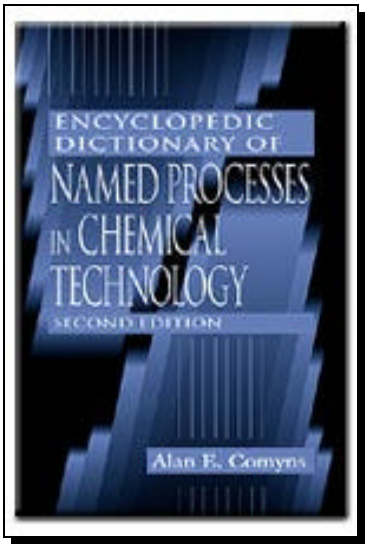
Title	Location	Edition / Series / Misc.

1163 **Encyclopedic Dictionary of Named Processes in Chemical Technology, 2nd Ed.**

Author: A.E. Comyns, ed.
Publish.: CRC Press
- place:
- date: 1999
Subject: General Reference - Health. Safetv. and the Environment
Desc: 368 p, Hardcover

Dynix:
Call No.:
ISBN: 849312051
Shelf

Edition:
Series:
Year: 1999
Price: $73.50



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604 .	General Reference
623 .	Health, Safety, and the Environment

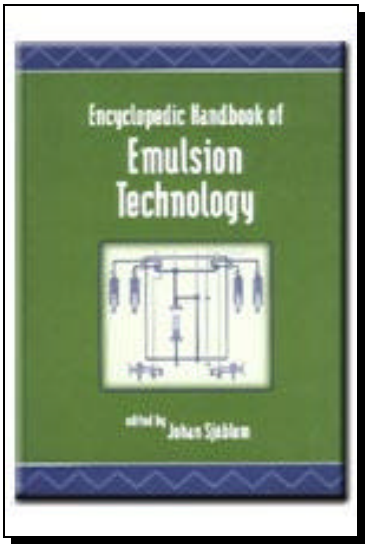
Title	Location	Edition / Series / Misc.

1310 **Encyclopedic Handbook of Emulsion Technology**

Author: Johan Sjoblom, ed.
Publish.: Marcel Dekker
- place:
- date: 2001
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Scienc
Desc: 750 p, 8.3 x 11 Hardcover

Dynix:
Call No.:
ISBN: 824704541
Shelf

Edition:
Series:
Year: 2001
Price: $188.50



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

This exhaustive reference provides a complete and thorough examination of all topics affecting emulsion performance, discussing fundamental characteristics, theories, and applications for liquid—liquid colloidal dispersions. It profiles experimental and traditional measurement techniques in a variety of emulsified systems, including rheology, nuclear magnetic resonance, dielectric spectroscopy, microcalorimetry, video-enhanced microscopy, and conductivity.The fundamental properties and elements of the water—oil interface and the chemical administration of emulsion processes; emphasizes the use of phase diagrams for determining the stability, preparation, and behavior of emulsions; and surveys the hydrodynamic and dynamic aspects of emulsified systems such as Gibbs surface elasticity, droplet behavior, and the kinetics of coagulation, flocculation, and coalescence. It also highlights film rheometry, differential microinterferometry, and piezo imaging spectroscopy techniques; elaborates on crystallization, formed droplets, mechanisms of thermal and viscoinertial loss, and the chemistry of stabilizers in food emulsion systems; and more.From the Preface: "...The multiplicity of industrial applications of emulsions has catalyzed a better fundamental understanding of these dispersed systems. The academic research has been successfully interfaced to practical concerns in order to facilitate the solutions to emulsion problems..."Target Audience: Physical, surface, colloid, organic, polymer, medicinal, analytical, food, and cosmetic chemists; biochemists; chemical and environmental engineers; rheologists; physicists; and upper-level undergraduate and graduate students in these disciplines.

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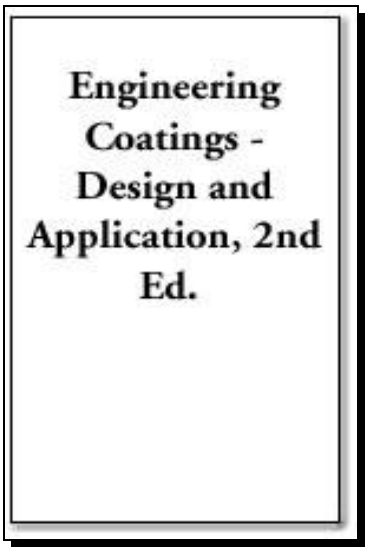
Title	Location	Edition / Series / Misc.

1158 **Engineering Coatings - Design and Application, 2nd Ed.**

Author: Stan Grainger and Jane Blunt, eds.
Publish.: William Andrew
- place:
- date: 1998
Subject: Coating Processes - Paints and Protective Coatings - Wear.
Desc: 331 p, 6.7 x 9.6 Hardcover

Dynix:
Call No.:
ISBN: 1884207685
Shelf

Edition:
Series:
Year: 1998
Price: $123.50



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235 .	Coating processes
614 .	Wear, Weathering, and Tribology
617 .	Paints and Protective Coatings

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Reviews - Synopsis - Dust Jacket

This revised edition deals with materials and application processes used for improving the surface durability of engineering components in service. It discusses new thermal spray processes, laser surfacing, and new information on corrosion. Its aim is to provide guidance on choice of coatings and means of application to fit specific circumstances.From the Preface: "...Surfacing technology has developed rapidly in recent years, and, perhaps because of its specialised nature, its scope and the benefits it provides are not widely recognized...New technologies have been included in this edition of the book — such as the newer thermal spray processes and laser surfacing...Major changes have taken place in health and safety legislation, and the chapter on health and safety has been revised significantly as a result. Units have been rationalized to the SI system, wherever feasible..."Target Audience: Professionals and upper-level students concerned with metallurgy, materials engineering, coatings methodology, and related disciplines.

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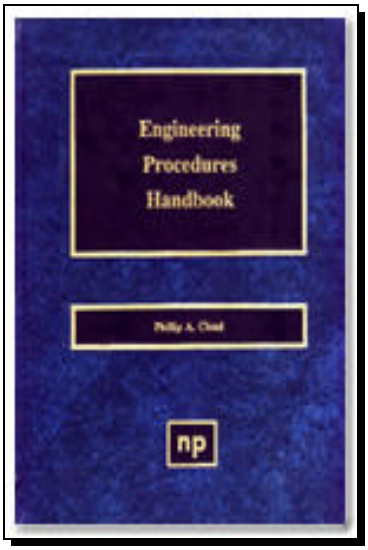
Title	Location	Edition / Series / Misc.

1249 **Engineering Procedures Handbook**

Author: Phillip A. Cloud
Publish.: Noyes Publications
- place:
- date: 1997
Subject: General Reference - Experimental Design and Analysis - QA/QC.
Desc: 432 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 815514107
Shelf

Edition:
Series:
Year: 1997
Price: $78.50



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604 .	General Reference
607 .	QA/QC, Statistics, and Testing
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Reviews - Synopsis - Dust Jacket

This handbook contains 62 engineering procedures and 47 forms. Most of these engineering procedures are influenced by the author's background in aircraft, aerospace and the computer industry. The manufacture of printed circuit boards was used as an example throughout the book. Principles discussed, however, are applicable to all engineering and operational disciplines.From the Foreword: "...The intent of this handbook is to define, display, and explain the elements that must be present in any engineering documentation system. The author has developed a powerful new handbook, complete with step-by-step procedures, that will show you how to develop an engineering documentation system. Primarily, it will be used as a reference source when there is a question as to the proper procedure to use..."Target Audience: Any reader with an interest in, or responsibility for, implementing and maintaining engineering documentation systems.

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Engineering With Rubber: How to Design Rubber Components, 2nd Ed.

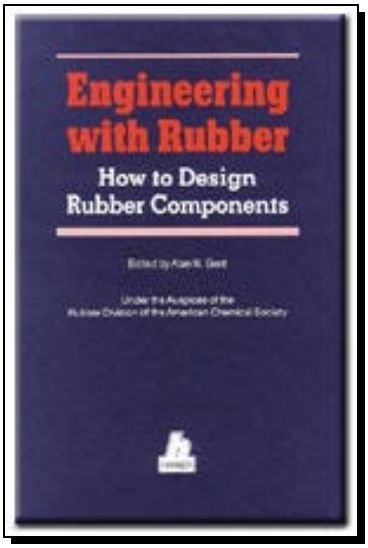
Title	Location	Edition / Series / Misc.

1320 **Engineering With Rubber: How to Design Rubber Components, 2nd Ed.**

Author: Alan N. Gent, ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: Materials Science - QA/QC. Statistics. and Testing
Desc: 380 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902992
Shelf

Edition:
Series:
Year: 2001
Price: $91.50



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Reviews - Synopsis - Dust Jacket

The
Components
use of rubber depends, including how elastomers are chosen, how
formulations are developed, the reasons for rubber's elasticity and
strength, and how to estimate stiffness, strength, durability, and other
product attributes.This newly revised text contains updated and revised textual material
and many new problems that deal with specific issues and allow readers to
test their understanding of the materials. Questions are appended to
nearly every chapter — this feature is especially useful for students and
those new to the field.From the Preface: "...The plan and format of [this second edition] are
otherwise unchanged. The subject of rubber in engineering is treated by
authors with broad experience in rubber technology and, in particular, in
engineering applications. We hope that the book continues to prove
valuable both to students and to practicing engineers who must deal with
this unusual, fascinating, and essential engineering material."Target Audience: Students and entry-level engineers
require a sound
understanding of engineering with rubber.

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Environmental Regulations for Printers: How to Comply with Environmental Rules While Making Your Printing Operations

LASCT Holdings - maximum detail by Title **E**

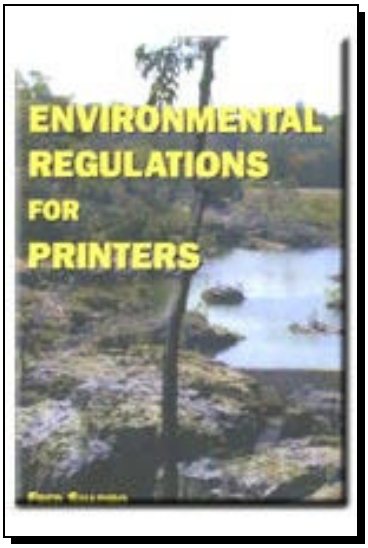
Title	Location	Edition / Series / Misc.

1324 **Environmental Regulations for Printers: How to Comply with Environmental Rules While Mal**

Author: Fred Shapiro
Publish.: Jelmar Publishing
- place:
- date: 2003
Subject: Printing Technology - Health, Safety, and the Environment
Desc: 964 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 1885067089
Shelf

Edition:
Series:
Year: 2003
Price: $298.50



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623 .	Health, Safety, and the Environment
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Taking a Proactive Stance: The Internal Audit
Clean Air Permits and Compliance Standards
Add-On Controls for Cleaner Air
Inks: Meeting the Demands of Quality and the Environment
Managing Hazardous Waste Streams
Understanding and Managing Your Inks for Environmental Compliance
Reducing Pollution by Addressing Press Clean-Up
The Digital Revolution in Prepress Operations: Pollution Prevention
Partners with Technology
Process Water Waste: Protecting Our Drinking Water Supply
Chemical Safety in the Pressroom
Storing Chemicals: Precautions and Limitations
EPCRA: Motivation for Pollution Prevention
Environmental Management Systems
Economics of Compliance and Non-Compliance
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Reviews - Synopsis - Dust Jacket

This landmark book clearly and systematically presents guidelines and strategies which will allow printers and converters to comply with environmental rules while improving productivity and profitability. There are at least a dozen different federal laws — not to mention innumerable state and local regulations — that affect the printing industry and all its ancillary activities.
contains a wealth of invaluable information in both printed and electronic format: The text is exhaustive, the appendices run nearly 500 pages, and the accompanying CD-ROM includes templates for forms, letters, and improvement programs. In short, it offers the most complete compendium of regulatory information and solutions for printers in existence. Highly recommended.From the Preface: "...It is the hope that this book, the first ever of its kind to assemble the appropriate regulations, procedures and concepts in one easy-to-use reference, will enable both small and large printers to help find their way through the massive accumulation of both law and practice that has arisen in the wake of efforts to recreate a greener world...The book is replete with caveats to printers as to appropriate steps they likely should take to meet both the letter and the intent of the regulations, and avoid the financial as well as the psychological burdens that might ensue should they inadvertently overlook some 'violation' that an inspector may find..."Target Audience: Senior management, engineers, operations managers,

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corporate counsel, regulators, and other professionals involved in the printing, coating, laminating, and converting industries.

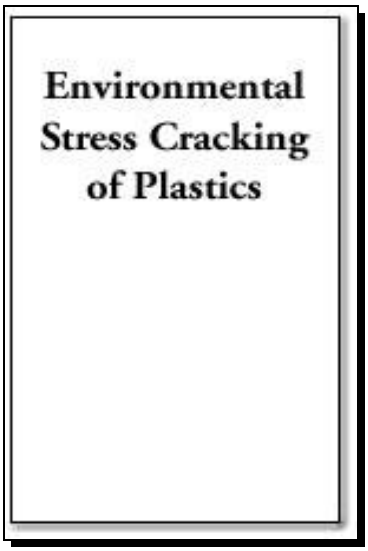
Title	Location	Edition / Series / Misc.

1116 **Environmental Stress Cracking of Plastics**

Author: D.C. Wright, ed.
Publish.: Rapra
- place:
- date: 1996
Subject: Wear, Weathering, and Tribology - Plastics Processing Technology
Desc: 150 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 185957064
Shelf

Edition:
Series:
Year: 1996
Price: $153.50



Subjects

605 .	Solubility and Surfactants
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628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

Environmental stress cracking (ESC) is the premature initiation of cracking and embrittlement of a plastic due to the simultaneous action of stress and strain and contact with specific fluids, often present in a gaseous state. This definition provides the key to the problem of predictability: Failure is due to a combination of influences, which would not cause the same problems if encountered individually.Environmental Stress Cracking of Plastics the causes of ESC and its implications. It reviews the factors that influence ESC (including a discussion of the thermodynamics of mixing and Hansen solubility parameters), and presents a large amount of information regarding specific categories of plastics. Methods for the experimental evaluation — including prediction and assessment by testing — of environmental stress cracking are also described.Target Audience: Designers, process and quality engineers and technologists, reliability engineers, and any other reader concerned with environmental stress cracking of plastic materials.

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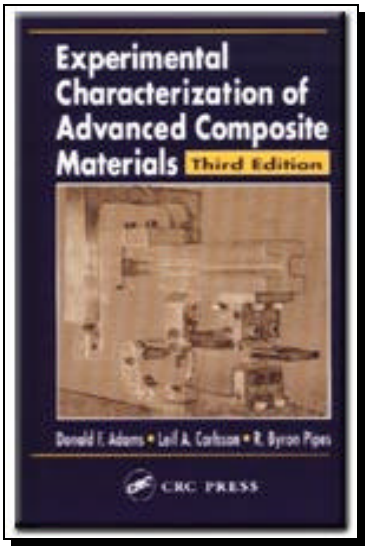
Title	Location	Edition / Series / Misc.

1456 **Experimental Characterization of Advanced Composite Materials, 3rd Ed.**

Author: Donald F. Adams, Leif A. Carlsson, and R. Byron Pipes
Publish.: CRC Press
- place:
- date: 2003
Subject: Composites. Laminates. and Fibers - Materials Science - QA/QC.
Desc: 250 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 1587161001
Shelf

Edition:
Series:
Year: 2003
Price: $161.50



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Lamina Compressive Response
Lamina Shear Response
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Lamina Off-Axis Tensile Response
Lamina Thermoelastic Response
Laminate Mechanical Response
Laminate Thermoelastic Behavior
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Characterization of Delamination Failure
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Reviews - Synopsis - Dust Jacket

This book provides a concise, authoritative treatment of the best available methods for determining the mechanical properties, thermal expansion coefficients, and fracture and strength data for composite materials. With a practical emphasis, it discusses processing techniques, specimen preparation, analyses of test methods, test procedures, and data reduction schemes. This valuable information will streamline the process of characterizing advanced composite materials, enabling the practitioner to produce better, more reliable results in less time. A sample laboratory report is presented in an appendix.From the Preface: "...As we now enter the 21st century, applications of all types of composite materials to commercial products are being emphasized. In anticipation of this development, the 1990s were a period of consolidation of test methods, and attempts to better understand those methods being used. Thus, the present text comes at an opportune time, i.e., when the evolution of test methods is in a relatively stable period and definitive recommendations can be made. The goal of this text is to present primarily only those mechanical test methods that have achieved some consensus as being the best presently available, recognizing that `best' is often subjective..."Target Audience: Materials scientists; manufacturing, civil and mechanical engineers; analytical lab technicians; architects; designers; and students of these fields.

Subjects

607 .	QA/QC, Statistics, and Testing
609 .	Materials Science
625 .	Composites, Laminates, and Fibers

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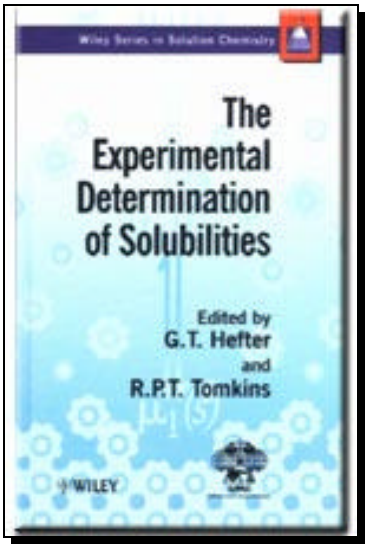
Title	Location	Edition / Series / Misc.

1538 **Experimental Determination of Solubilities**

Author: G.T. Hefter and R.P.T. Tomkins, eds.
Publish.: John Wiley & Sons
- place:
- date: 2003
Subject: Solubility and Surfactants - Experimental Design and Analysis
Desc: 658 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471497088
Shelf

Edition:
Series:
Year: 2003
Price: $243.50



Subjects

605 .	Solubility and Surfactants
627 .	Experimental Design and Analysis

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Solubility of Gases in Solid MetalsLiquids:
Liquid—Liquid SolubilitiesSolids:
Solubility of Solids in Liquids
Solubility of Sparingly Soluble Ionic Solids in Liquids
Solubility of Salt—Water Systems at High Temperatures and Pressures
Solubility of Metals and Non-Metallic Substances in Liquid Metals
Solubility of Solids in SolidsSpecial Systems:
Solubility of Solids and Liquids in Supercritical Fluids
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Reviews - Synopsis - Dust Jacket

This book covers the most useful experimental methods for all types of solubility measurements. While the importance of solubility has long been recognized throughout science, prior to the publication of this volume, no systematic critical presentation of the methods for obtaining solubilities has been given. Each chapter aims to be comprehensive but not encyclopedic, with coverage of the reliable methods in the particular area. Illustrations have been included to enable the novice investigator to readily develop custom-built apparatus.From the Preface: “Solubility is perhaps the most fundamental of all chemical phenomena. The significance of what dissolves what, to what extent, at what temperature and pressure, and the effects of other species, was recognized even by the early alchemists. In more recent times the importance of solubility phenomena has been recognized throughout science...The purpose of this book...is to bring together for the first time, into one publication, a comprehensive account of the reliable experimental techniques for the measurement of solubilities of virtually all types...”Target Audience: Any reader who requires state-of-the-art information on the experimental determination of solubilities.

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Title	Location	Edition / Series / Misc.

1470 **Experimental Methods in the Physical Sciences [Vol. 38: Advances in Surface Science]**

Author: Hari Singh Nalwa, ed.
Publish.: Academic Press
- place:
- date: 2001
Subject: Surface Characterization and Analysis - Recommend this Site
Desc: 468 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 124759858
Shelf

Edition:
Series:
Year: 2001
Price: $135.00

Subjects

608 .	Surface Characterization and Analysis
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

Surface science is — and will likely remain — an exciting and important area of research. It has a wide range of applications that include semiconductor processing, catalysis, vacuum technology, microelectronics, flat-panel displays, compact discs, televisions, computers, environmental monitoring of pollutants, biomaterials, artificial joints, soft tissues, food safety, pharmacy, and many more. This volume presents a variety of experimental methods used to improve our understanding of surface phenomena.From the Preface: "...Here, in Volume 38, Science volume broadly reviews the current methods of surface characterization and the use of photoelectron spectroscopy. It adds secondary electron fine structure to the arsenal of experimental tools available. Finally, it extends our experimental methods to the domain of organic materials and molecules and to high-pressure systems..."Target Audience: Chemists, solid-state physicists, materials scientists, surface chemists, polymer scientists, electrical engineers, and upper-level students in these fields.Brief Table of Contents:Surface Characterization: Composition, Structure an Topography
Application of Photoelectron Spectroscopy in Inorganic and Organic Material Systems
Secondary Electron Fine Structure — a Method of Local Atomic Structure Characterization
Photonic and Electronic Spectroscopies for the Characterization of Organic Surfaces and Organic Molecules Adsorbed on Surfaces
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Experimental Quality: A Strategic Approach to Achieve and Improve Quality

LASCT Holdings - maximum detail by Title E

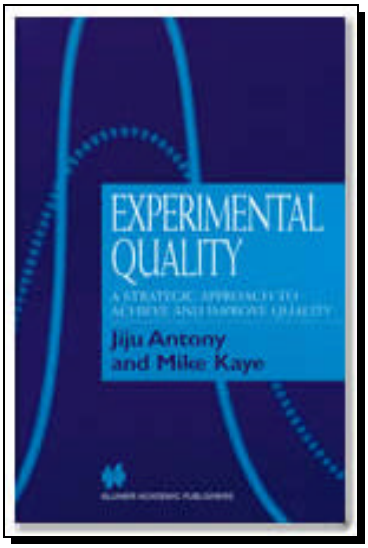
Title	Location	Edition / Series / Misc.

1273 **Experimental Quality: A Strategic Approach to Achieve and Improve Quality**

Author: Jiju Antony and Mike Kaye
Publish.: Kluwer Academic
- place:
- date: 2000
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis
Desc: 268 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 412814404
Shelf

Edition:
Series:
Year: 2000
Price: $133.50



Subjects

607 .	QA/QC, Statistics, and Testing
627 .	Experimental Design and Analysis

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The Taguchi Approach to Quality Improvement
The Taguchi Approach to Industrial Experimentation
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A Strategic Methodology for Taguchi Design of Experiments
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Metrology Considerations for Industrial Experimentation
Analysis and Interpretation of Data from Taguchi Experiments
Industrial Case Studies
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Reviews - Synopsis - Dust Jacket

This book aims to bolster the statistical and experimental abilities of engineers and managers entrusted with the quality of manufactured products. It increases understanding and awareness of Taguchi experimental design methodology, utilizing real-life case studies to reinforce concepts and theory. The information and tools contained in this resource are easily accessible to practitioners without prior knowledge or understanding of probability and statistics.From the Preface: “Improving the quality of products and manufacturing processes at low cost is an economic and technological challenge to the industrial engineers and managers in many organizations. Dr. Taguchi's experimental design techniques have proved to be successful in meeting this challenge over the past 15 years...Throughout this book the emphasis will be upon the use of simple statistical techniques and modern graphical tools so that both the engineers and managers can understand the benefits of using such advanced statistical techniques for many practical quality problems. The book delineates a practical and strategic methodology for Taguchi experimental design techniques in a methodical manner..."Target Audience: Practicing industrial engineers quality engineers,
and engineering managers from all disciplines, as well as students of industrial technology.

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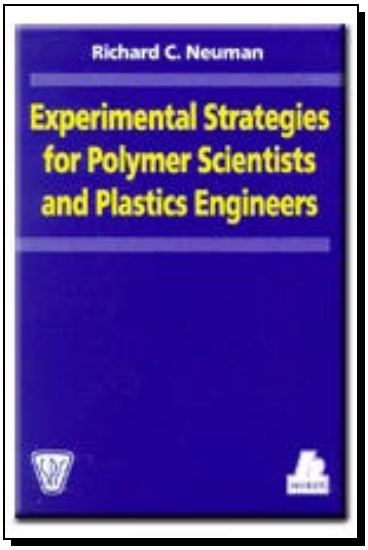
Title	Location	Edition / Series / Misc.

1080 **Experimental Strategies for Polymer Scientists and Plastics Engineers**

Author: Richard C. Neuman
Publish.: Hanser Gardner
- place:
- date: 1997
Subject: Experimental Design and Analysis - Plastics Processing Technolog
Desc: 168 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1569902240
Shelf

Edition:
Series:
Year: 1997
Price: $55.00



Subjects

613 .	Polymer Characterization
627 .	Experimental Design and Analysis
628 .	Plastics Processing Technology

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Using Masterbatches
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Reviews - Synopsis - Dust Jacket

This book addresses the basic principles of experimental design and analysis, with a specific view toward polymer research. Strategies for Polymer Scientists and Plastics Engineers value of advance planning, providing guidance useful in defining objectives before experimental work begins, thus minimizing errors, testing time, and project costs. The book presents effective designs that do not require rigorous statistical training, and offers helpful tips on data collection and analysis that can actually improve data quality and confidence in the conclusions drawn from it.From the Preface: “Success in today's fast-paced plastics industry depends on timely introduction of new and improved products, and solving problems quickly and permanently. These tasks involve experimentation. The use of sound methodology can reduce the time and cost invested in these important activities...Scientists and engineers willing to learn and apply the principles presented in this book will become more productive in their work and more convincing in their communications about it.”Target Audience: Polymer scientists, plastics enginee project managers, and technicians requiring a basic, sound footing in experimental design and analysis.

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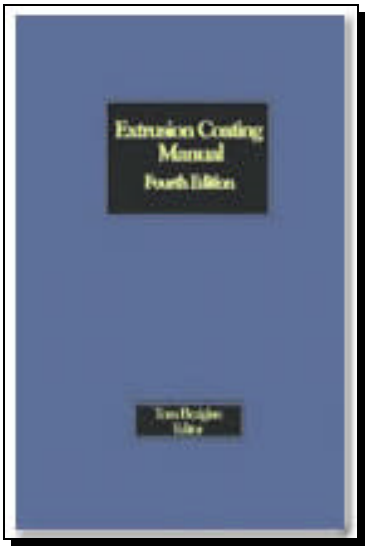
Title	Location	Edition / Series / Misc.

1167 **Extrusion Coating Manual, 4th Ed.**

Author: Thomas Bezigian, ed.
Publish.: TAPPI Press
- place:
- date: 1999
Subject: Coating Processes - Converting Technology - Extrusion - Paper an
Desc: 331 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 898520673
Shelf

Edition:
Series:
Year: 1999
Price: $105.00



Subjects

235 .	Coating processes
598 .	Extrusion
620 .	Converting Technology

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A Survey of Current Bead Reduction Die Technology
Corona Treatment Enhanced Adhesion for Extrusion Coating
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Flame, Corona, Ozone — Do We Need All Pretreatments in Extrusion Coating?
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Ethylene Vinyl Alcohol (EVOH) Resins for Coextrusion Coating
Color and Additives for Extrusion Coating
Purging Extruders with Functionalized Polyolefins
Processing and Converting Tips for Cast Film and Extrusion Coating
Troubleshooting the Extrusion Coater
Process Troubleshooting Guide for Coextrusion Coatings

Reviews - Synopsis - Dust Jacket

This recent edition of the definitive volume on extrusion coating is 85% new, compared to the 1990 third edition. It covers extruder and die design, winding, various polymers used for extrusion coating, and troubleshooting. There are five full chapters devoted to chemical priming; corona, flame, and ozone surface treatments; and an interesting investigation of multiple treatment method interactions. Highly recommended.From the Preface: "...As we enter the next century, this edition of The Extrusion Coating Manual
engineers, technicians, and operators alike. It includes information on classic materials and troubleshooting techniques as well as the latest

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materials and machine designs available anywhere in the world today. It is the sum knowledge of thousands of years of experience put to paper. The authors in this book are among the most renowned experts in the world today on the subject of extrusion coating..."Target Audience: An ideal sourcebook for training seminars; also valuable to technical, manufacturing, quality, marketing, and management personnel, as well as academic researchers.

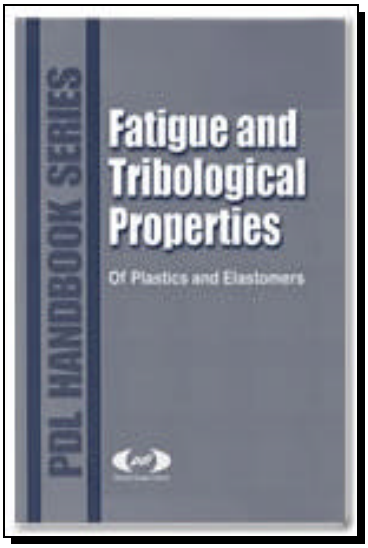
Title	Location	Edition / Series / Misc.

1029 **Fatigue and Tribological Properties of Plastics and Elastomers**

Author: Plastics Design Library Staff
Publish.: Plastics Design Library
- place:
- date: 1995
Subject: Wear, Weathering, and Tribology - Materials Science
Desc: 537 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 1884207154
Shelf

Edition:
Series:
Year: 1995
Price: $205.00



Subjects

609 .	Materials Science
614 .	Wear, Weathering, and Tribology

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Reviews - Synopsis - Dust Jacket

This volume of the PDL handbook series presents fatigue data including S—N curves and FCP data. The information is presented at various test frequencies, temperatures, loading conditions, atmospheric conditions, specimen geometries, etc. Tribological data include wear factor, dynamic and static coefficient of friction, abrasion data, and more. Each of the two sections is organized alphabetically by the over 80 generic families of plastics and elastomers which are covered. These are followed by extensive appendices organized by material property (e.g., wear factor or limiting PV values). The studies involve neat resins, blends and alloys, plastics with fillers or additives, and more.From the Introduction: "...[T]he philosophy of Plastics Design Library is to provide as much information as is available. This means that complete information corresponding to each test result (often referred to as metadata) is provided. At the same time, an effort is made to provide information for as many tests, conditions, and materials combinations as possible. Therefore, even if detailed test metadata are not available, information is still provided. The belief is that some limited information serves as a reference point and is better than no information..."Target Audience: This reference is valuable to novi and experts
alike who need to determine the fatigue and tribological properties of of plastics and elastomers.Partial Table of Contents:
Fatigue Data:
Stress vs. Cycles to Failure
Fatigue Crack Propagation
Tribological Properties
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Wear Factor of Mating Surface
Static Coefficient of Friction
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NBS Abrasion Index
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Velocity
Temperature
Elapsed Time
Humidity
Material Composition
Frequency
Specimen Size

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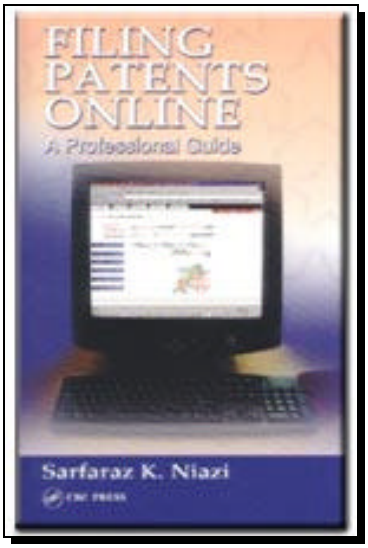
Title	Location	Edition / Series / Misc.

1509 **Filing Patents Online: A Professional Guide**

Author: Sarfaraz K. Niazi
Publish.: CRC Press
- place:
- date: 2003
Subject: Patents and Intellectual Property - Recommend this Site
Desc: 450 p, 6 x 9.2 Paperback

Dynix:
Call No.:
ISBN: 849316243
Shelf

Edition:
Series:
Year: 2003
Price: $63.50



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619 .	Patents and Intellectual Property
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

Securing a patent through the traditional paper process is slow and expensive, averaging some $10,000 per application. Pursuing patents via the Internet is quicker and more affordable, and makes good business sense. Unfortunately, existing online patent software is cumbersome and difficult, leading many inventors and attorneys along the better-known paper path.Filing Patents Online: A Professional Guide step-by-step guide for filing and pursuing patents electronically. This comprehensive analysis of online patent systems from around the world recommends the proper choices for filers, saving time and money and increasing the odds of success. Features include identification of shortcuts around many of the U.S. Patent Office's complex logistical hurdles; explanations of how to secure critical time stamps on ideas and of an online process that allows full monitoring of patent review status; and more.From the Preface: "...Using a step-by-step approach, [this book] teaches how to harness the unlimited power of the Internet in three important ways: (1) evaluating patentability, (2) writing patent applications electronically (using the software prescribed by worldwide patent offices), and (3) filing patent applications online at a fraction of cost in time and money, compared to what it took just a few years ago..."Target Audience: Engineers, scientists, patent attorneys, laboratory researchers, information retrieval specialists, market researchers, inventors — anyone interested in the patent filing process.

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Title	Location	Edition / Series / Misc.

1420 **Fillers and Filled Polymers (Macromolecular Symposia 169)**

Author: Jean-Francois Gerard, ed.
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: Additives - Plastics Processing Technology
Desc: 348 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 3527303316
Shelf

Edition:
Series:
Year: 2001
Price: $175.00

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Reviews - Synopsis - Dust Jacket

Subjects

611 .	Additives
628 .	Plastics Processing Technology

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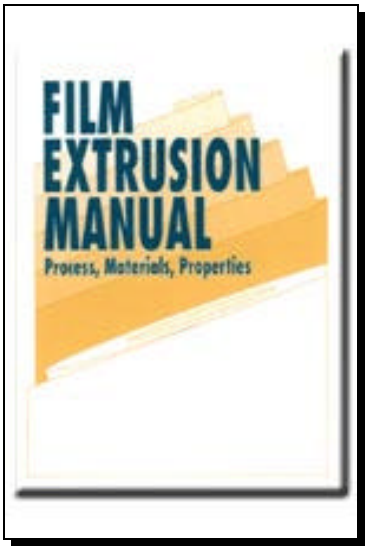
Title	Location	Edition / Series / Misc.

1052 **Film Extrusion Manual: Process, Materials, Properties**

Author: Thomas I. Butler and Earl W. Veazey, eds.
Publish.: TAPPI Press
- place:
- date: 1992
Subject: Plastic Films - Converting Technology - Extrusion - Plastics
Desc: 791 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 898522501
Shelf

Edition:
Series:
Year: 1992
Price: $135.00



Subjects

301 .	Plastic films
598 .	Extrusion
620 .	Converting Technology

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Film Stabilization, Forming, and Collapsing Systems
Gauge Randomization
Film Gauging and Inspection
Surface Treatment
Film Winder Design
Film Polymers and Additives
Resin Test Methods
Troubleshooting for the Extruder
Operation, Maintenance, and Troubleshooting for Blown Film
Film Extrusion Patent Survey
Film Quality Control and Test Methods
Safety in Film Fabrication
Plastics Glossary

Reviews - Synopsis - Dust Jacket

This overview of the film extrusion process covers a remarkably broad range of information. There is in-depth coverage of machinery, testing, polymer properties, and integrated troubleshooting techniques. The chapter on film polymers and additives is nearly book-length in itself: it discusses the use of polyethylene, polypropylene, polycarbonate, polyester, EVA, EMA, ionomers, tie layers and adhesives, EVOH, polystyrene, nylon, acrylonitrile copolymers, concentrates and additives, and more. The extensive chapter on surface treatment is readable and informative. Highly recommended.From the Preface: "...[This book] is the result of an intensive team effort over the last six years...This comprehensive publication on the art and science of thermoplastic film extrusion, which was the goal of the early founders of the division...may be used as the basis for regional workshops where skilled lecturers can offer practical "shirt sleeve" interactive training sessions on film technology. We hope Extrusion Manual: Process, Materials, Properties useful tool in training and as a basic reference guide for all practitioners of the film extrusion process..."Target Audience: Any reader interested in the industrial processing of polymer films, from neophyte to expert level, will benefit from the expansive treatment of the field this book offers.

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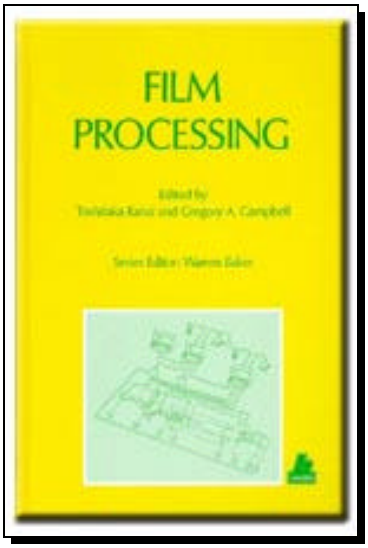
Title	Location	Edition / Series / Misc.

1152 **Film Processing**

Author: Toshitaka Kanai and Gregory A. Campbell, eds.
Publish.: Hanser Gardner
- place:
- date: 1999
Subject: Plastic Films - Recommend this Site
Desc: 400 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902526
Shelf

Edition:
Series:
Year: 1999
Price: $135.00



Subjects

301 .	Plastic films
715 .	Recommend this Site

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Film Processing: Overview and Introductory Rheology
Flat Die Analysis
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Die Control System of Film Thickness Distribution
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Bubble Instability: Experimental Evaluation
Optical Properties and Structural Characteristics of Tubular Film
Theoretical Analysis of Film Deformation Behavior in Casting
Analysis of Draw Resonance Instability in the Film Casting Process
Multilayer Films
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Theoretical Analysis of the Tentering Process
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Reviews - Synopsis - Dust Jacket

The manufacturing processes for preparing very thin polymer products have developed into one of the most important markets for synthetic polymers. The central theme of this volume is the developments in process hardware and operating techniques that permit increasingly high production rates, optimum property development, unusual degrees of molecular orientation, and the coextrusion of multi-layer, multi-component film and sheet. The interdependence of these developments on the achievements in polymer design, namely in the areas of rheology and mechanical and optical properties, are discussed.From the Preface: "...This book was conceived to address what appeared to be a void in the polymer processing literature. While we were pursuing our own efforts to understand the fundamentals and practical needs of the film practitioners, we found no condensed collection of the science and technology for production and evaluation of polymeric films. We have endeavored to provide the polymeric film processing community with a volume which will be a starting point regarding both the state of theory and technology of film production..."Target Audience: Film extrusion professionals of all callings; students of polymer, mechanical, process, and related engineering fields.

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Fire and Explosion Hazards Handbook of Industrial Chemicals

LASCT Holdings - maximum detail by Title F

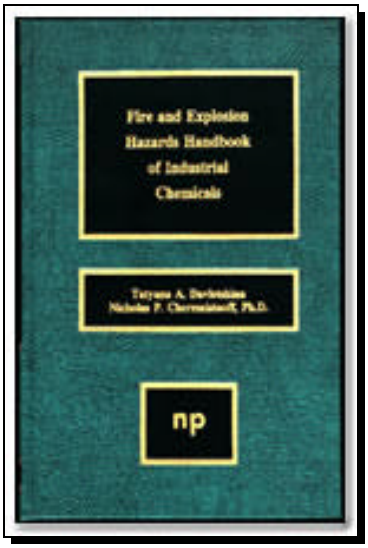
Title	Location	Edition / Series / Misc.

1242 **Fire and Explosion Hazards Handbook of Industrial Chemicals**

Author: Tatyana A. Davletshina and Nicholas P. Cheremisinoff
Publish.: Noyes Publications
- place:
- date: 1998
Subject: Health. Safetv. and the Environment - Recommend this Site
Desc: 494 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 815514298
Shelf

Edition:
Series:
Year: 1998
Price: $113.50



Subjects

623 .	Health, Safety, and the Environment
715 .	Recommend this Site

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Organization of the Book
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Fire, Explosion and Chemical Reactivity Data for Industrial Chemicals
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Reviews - Synopsis - Dust Jacket

This handbook provides ready information on the fire and chemical reactivity of commonly used chemicals. Its purpose is to provide basic information important to the safe handling of chemicals and to help provide guidance in responding to a hazardous materials incident, in particular, incidents involving reactive chemicals and materials posing fire and explosion hazards.The gives chemical-specific data, providing the reader with rigorous information on the chemical of interest. More than 1000 chemicals have been researched — information includes flammability characteristics, recommended fire extinguishing practices, fire extinguishing agents not to be used, behavior in fires, burning characteristics, chemical reactivity with regard to water and other common materials, incompatible chemical mixtures, and containment and neutralization methods for spills.From the Preface: "...The intent of the volume is to provide easily understood information that can assist in the proper management and handling of chemicals, as well as providing basic information and guidance that can aid first responders to a hazardous materials incident involving spills and fires...Chemical specific fire safety information is provided along with an explanation of important terms used throughout the handbook along with detailed explanations on the organization of materials and how to apply them..."Target Audience: Chemical handling specialists, firefighters, emergency response personnel, and industrial safety professionals dealing with chemical inventories.

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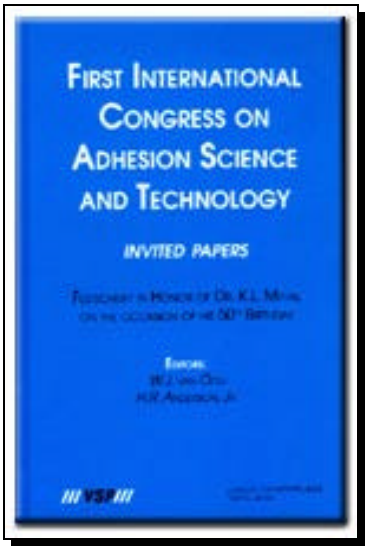
1462 **First International Congress on Adhesion Science and Technology: Festschrift in Honor of D**

Author: W.J. van Ooij and H.R. Anderson, Jr., eds.
Publish.: VSP
- place:
- date: 1998
Subject: Adhesives and Adhesion - Interfacial Engineering and Surface
Desc: 948 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067642916
Shelf

Edition:
Series:
Year: 1998
Price: $228.50



Subjects

600 .	Interfacial Engineering and Surface Science
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Reviews - Synopsis - Dust Jacket

This Festschrift documents the proceedings of the
International Congress on Adhesion Science and Technology
Amsterdam October 16-20, 1995 in honor of Dr. Kash Mittal on the occasion
of his 50th birthday. The 49 papers — authored by a remarkable array of
leading authorities — in this book address many different aspects of
adhesion science and technology, with coverage of both fundamental and
applied issues. Recommended.From the Preface: "...When we were ruminating over how to document the
Proceedings, it immediately became apparent that to chronicle the full
written accounts of 235 papers would be almost impossible. Therefore, we
decided to include in this Festshrift only the invited presentations.
However, we thought, for posterity and to capture the full spirit of the
Congress, it behooved us to list the titles, names and affiliations of
authors of the other papers. Concomitantly, this Festschrift should serve
as a full acta of this momentous occasion..."Target Audience: Researchers, scientists, engineers, and upper level
students of adhesion science and technology.Partial Table of Contents:
Fundamental Aspects of Adhesion and General Topics:
The Molecular Surface Science of Adhesion
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The Mechanical Theory of Adhesion — A Seventy Year Perspective and Its
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Pretreatments of Fluoropolymers. A Review of Studies Between 1990 and
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Surface Photografting of Polymer Films and Fibers for Adhesion and
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Surface Treatment of Styrene—Butadiene Rubber with Carboxylic AcidsAdhesives and Adhesive Joints:
Electronically Conductive Adhesives: Conduction Mechanisms, Mechanical
Behavior and Durability
Catalytic Activation of Wood Adhesive Polycondensation by the Adhesion

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Forces to a Cellulosic Substrate
Aspects of Properties in Polymer Assemblies Bonded by Polyurethane Adhesives
Improved Evidence for Chaos During Peeling of Pressure Sensitive Adhesive Tape from a Metal Substrate
Electrical Currents Produced by Peeling a Pressure Sensitive Adhesive: Role of Electrostatic Forces in Adhesion
Fracture Mechanics Analyses of the Behavior of Adhesion Test SpecimensAdhesion Aspects of Polymeric Coating Polymer—Polymer Interphase:
Polyimide Adhesion to the Silica Surface: Interfacial Interactions
Adhesion Mechanisms of Polyurethane to Glass: Interphase Formation and Structure
Formation and Durability of Welded Joints Involving Thermoplastics < P>Metal—Polymer and Metal—Ceramic Adhesion:
Interactions and Reactions at Metal/Self-Assembled Organic Monolayer Interfaces
Structure and Formation of Metal—Polymer Interfaces
Enhanced Metal/Ceramic Adhesion by Surface Treatment with Excimer UV RadiationGeneral Papers:
Electrochemical Aspects of Encapsulated Bacteria Adhesion to Stainless Steel Surfaces
The Effect of Radiofrequency Electric Field on the Properties of Dispersed Systems: Relevance to Adhesion

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FIRST: Flexographic Image Reproduction Specifications & Tolerances, 2nd Ed.

Title	Location	Edition / Series / Misc.

1151 **FIRST: Flexographic Image Reproduction Specifications & Tolerances, 2nd Ed.**

Author:
Publish.: FTA
- place:
- date: 2004
Subject: QA/QC, Statistics, and Testing - Color Theory, Testing, and Analys
Desc: 0 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 2004
Price: $63.50

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607 .	QA/QC, Statistics, and Testing
618 .	Color Theory, Testing, and Analysis
624 .	Printing Technology

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Significant Print Variables
Printing Bar Codes

Reviews - Synopsis - Dust Jacket

This revised edition provides a protocol for flexographic reproduction. It presents definitions and specifications which have been developed to benefit consumer goods producers, designers, prepress providers, and material suppliers, as well as printers. Includes a 3.5" disk containing the control targets needed to properly monitor a press run.From the Preface: “The intention of FIRST is to provide a participants in the flexographic reproduction process with a common set of guidelines, tutorials and data that can be used as communication and production tools...to create a common set of specifications and communication protocols for the industry. This platform should establish common communication and identify the responsibility of the provider(s)...FIRST is a set of specifications, not standards. When adhered to, the specifications are meant to produce a predictable consistent result...”Target Audience: Everyone involved in flexographic reproduction, including customers, suppliers, management, prepress personnel, and press operators.

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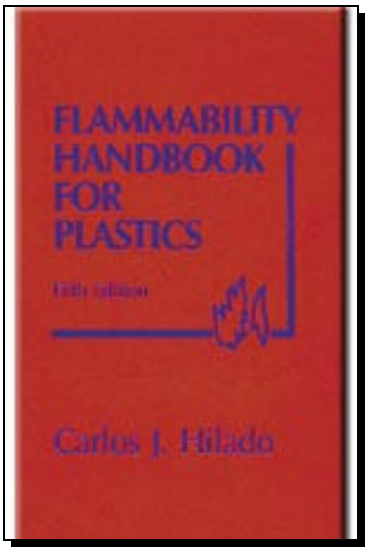
Title	Location	Edition / Series / Misc.

1114 **Flammability Handbook for Plastics, 5th Ed.**

Author: Carlos J. Hidalgo
Publish.: Technomic
- place:
- date: 1998
Subject: Health. Safetv. and the Environment - General Reference - Materials
Desc: 350 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1566766516
Shelf

Edition:
Series:
Year: 1998
Price: $171.50



Subjects

604 .	General Reference
609 .	Materials Science
623 .	Health, Safety, and the Environment

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Materials for Plastics Industry
Decomposition, Combustion, and Propagation
Fire Response Characteristics
Flammability Tests
Prevention, Inhibition, and Extinguishment
Market Acceptance Criteria
Flammability and Product Liability
Flammability and Environmental Concerns
Commercial Fires, Smoke, and Smolder Retardants
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Reviews - Synopsis - Dust Jacket

For many years, this mini-encyclopedia of information on the fire properties of plastics has been widely used and recognized as a basic guide and reference to the fire behavior and fire retardance of plastics. This fifth edition of the provides new sections on thermoplastic elastomers, conductive polymers, multicapability test methods, chlorofluorocarbons and flammability, recycling, and depolymerization. Also new to this edition are alphabetical listings of plastics- and product safety-related organizations and terms.From the Introduction: "...Considerable effort gone into the study of various aspects of flammability and of various plastic materials, so that these materials which are proving so useful to man will always be used in ways which will not compromise his safety. The task is a continuing one, because the family of plastics continues to grow, and, along with it, its variety of applications. Some of these future applications can not even be conceived of at the present time...A flammability handbook for plastics must necessarily involve a variety of sciences and technologies spread across the whole spectrum of human knowledge, and it is impossible to discuss all the subjects in great depth..."Target Audience: Both technical and non-technical personnel concerned with plastics flammability, including corporate safety personnel, marketing and product liability analysts, design and materials engineers, firefighters, and other emergency workers.

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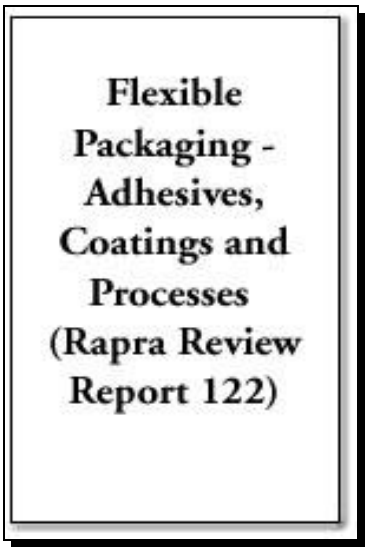
Title	Location	Edition / Series / Misc.

1309 **Flexible Packaging - Adhesives, Coatings and Processes (Rapra Review Report 122)**

Author: T.E. Rolando
Publish.: Rapra
- place:
- date: 2000
Subject: Converting Technology - Adhesives and Adhesion - Coating
Desc: 114 p, 8.3 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859572316
Shelf

Edition:
Series:
Year: 2000
Price: $108.50



Subjects

235 .	Coating processes
606 .	Adhesives and Adhesion
620 .	Converting Technology

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Introduction
Flexible Packaging Adhesives
Flexible Packaging Coatings
Flexible Packaging Processes
Future Trends
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Reviews - Synopsis - Dust Jacket

Each Rapra Review Report comprises a brief expert overview of the stated topic; this is supported and extended by a detailed, indexed bibliography, whose value is augmented by concise abstracts for every entry.
concentrates on the adhesives and coatings, and the converting technologies, which enable flexible packaging materials to be used in increasingly diverse and demanding applications.This review is organized in three main sections — adhesives, co and processes. The first section includes discussions of one-component isocyanate-based moisture curing adhesives and two component polyol- and isocyanate-based adhesives; water-borne adhesives in the context of polyurethane dispersions; and an assessment of the first, second, third, and fourth generation solventless adhesives for flexible packaging laminating applications. The features and potentials of energy cured adhesives are also evaluated.The section on coatings for flexible packaging addresses the performance properties and the health and safety issues associated with heat seal coatings and printing inks; it also covers overprint and release coating applications, the use of barrier coatings in pharmaceutical packaging, the technology of primer coatings, and the use of anti-fog and anti-static coatings.The final section, on flexible packaging processes, describes the properties of adhesive and extrusion lamination, including a comparison of the features of the various laminating processes; presents a summary of solution, emulsion, extrusion, and dispersion coating; discusses gravure and flexographic printing technologies; and covers equipment used in form—fill—seal operations. Heat sealing and cold sealing are also addressed.Target Audience: This is an essential reference for individuals in the flexible packaging, adhesive, and coating supplier industries.

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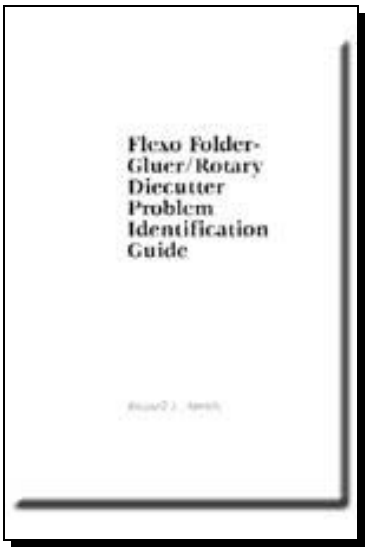
Title	Location	Edition / Series / Misc.

1100 **Flexo Folder-Gluer/Rotary Diecutter Problem Identification Guide**

Author: Russell L. Smith
Publish.: Jelmar Publishing
- place:
- date: 1998
Subject: Converting Technology - Packaging Conformance and Specification
Desc: 72 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1885067143
Shelf

Edition:
Series:
Year: 1998
Price: $38.50



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General
Feed Section
Flexo Printing Section
Scorer-Slotter Section
Diecutter Section
Folder-Gluer Section
Counter-Ejector (C/E) Section
Numerical Control SectionImproving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of Corrugated Packaging

that enhances the value of this item.

Reviews - Synopsis - Dust Jacket

Regardless of the make of flexo folder-gluer or rotary diecutter, this is the ultimate troubleshooting guide. It is applicable to all machines in the field, of all ages and with all levels of capabilities. Coverage includes not only the machinery itself, but all ancillary aspects, including inks, printing plates, vacuum transfer and counter-ejectors, among other ancillary equipment.

Subjects

620 .	Converting Technology
630 .	Packaging Conformance and Specifications
716 .	Packaging: General Reference

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Title	Location	Edition / Series / Misc.
1149 **Flexographic Ink: A Process Approach**		*Edition:*
Author: FFTA Staff	*Dynix:*	*Series:*
Publish.: FTA	*Call No.:*	
- place:	*ISBN:*	
- date: 1998	*Shelf*	*Year:* 1998
Subject: Inks and Coatings - Printing Technology		*Price:* $51.50
Desc: 167 p, 7 x 10 Paperback		

Subjects

603 .	Inks and Coatings
624 .	Printing Technology

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Reviews - Synopsis - Dust Jacket

This comprehensive bestselling text covers a variety of topics, including end-use requirements, ink formulation, prepress considerations, and the behavior of inks on press. There is concentrated coverage of how different operating conditions and production environments affect the performance of inks. An extensive troubleshooting guide and glossary are included. Illustrated in full color. Highly recommended.From the Preface: "...Recent refinements in flexographic print have developed from the realization that individual components do not operate in a vacuum. Therefore, to gain an understanding of flexographic ink, it is important to learn not only what goes into an ink, but also how different press conditions and production environments will affect ink performance...For a printer, the `ideal' is an all-purpose ink that can be used for every job. However, that isn't a reality, and it doesn't enable an ink manufacturer to optimize an ink's performance for the actual printed piece..."Target Audience: Every "inkie" in the flexo trade; also printers, specifiers, marketers, technologists, and others concerned with flexo inks and their use on press.Brief Table of Contents:End Use Requirements
Ink Formulation
Ink Prepress
Ink on Press
Troubleshooting
Glossary

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Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board

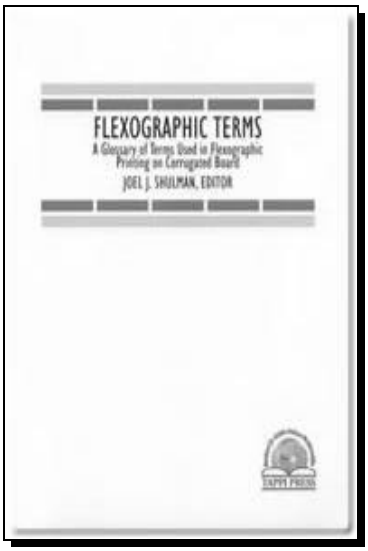
Title	Location	Edition / Series / Misc.

1168 **Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board**

Author: Joel J. Shulman, ed.
Publish.: TAPPI Press
- place:
- date: 1999
Subject: Printing Technology - Converting Technology - Packaging: General
Desc: 60 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 898523567
Shelf

Edition:
Series:
Year: 1999
Price: $35.00



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Reviews - Synopsis - Dust Jacket

This handy alphabetical reference contains clear, concise, and easily understandable definitions of roughly 1,000 terms used in flexographic printing of corrugated board. The large format leaves ample room for extensive personal notes and comments.From the Preface: “As flexographic printing has become more and more a science and less and less of an art, the need for codification of terminology has become increasingly apparent. Practitioners find that terms that are used in instructions and in everyday communication must be understood — implying that they have to be defined...No dictionary of technical terms of the graphic arts yet includes all the terminology pertinent to flexographic printing as a mature graphic art and printing method. And, in fact, this book does not likely cover all such terms, although every attempt has been made to include all that pertain to flexographic printing on corrugated board, while not necessarily excluding terms that apply to labels, flexible packaging, newspapers and other substrates that are printed flexographically...”Target Audience: Any student or professional who needs a ready glos of terms used in flexographic printing, especially of corrugated board.

Subjects

620 .	Converting Technology
624 .	Printing Technology
716 .	Packaging: General Reference

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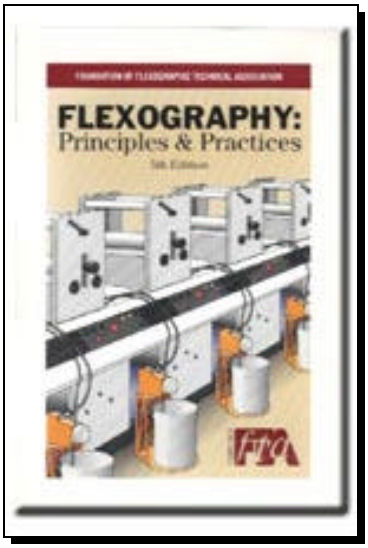
Title	Location	Edition / Series / Misc.

1150 **Flexography: Principles & Practices, 5th Ed.**

Author:
Publish.: FTA
- place:
- date: 2000
Subject: Printing Technology - Converting Technology - Inks and Coatings
Desc: 920 p, 8 x 10.5 Paperback

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 2000
Price: $108.50



Subjects

603 .	Inks and Coatings
620 .	Converting Technology
624 .	Printing Technology

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Bar Codes
Quality Control
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Mounting and Proofing
Inks
Substrates
Presses and Press Equipment
Pressroom Practices

Reviews - Synopsis - Dust Jacket

Flexography: Principles & Practices, 5th Ed.
a six volume set.This entirely revised and dramatically expanded classic presents a complete compilation of flexo technology. It is undoubtedly the industry's most comprehensive textbook on flexographic printing. Printed in full color throughout, it is the perfect source of information covering the past, present and future of flexography. Highly recommended.From the Preface: "...This fifth edition introduces a n format. Six volumes contain the various chapters on specific topics of flexography. The motivation for this change was twofold: First, the text has continued to expand with each edition and has outgrown a convenient size for one volume. The second and perhaps a more important motivation was the desire to be able to update the material in more manageable pieces. In the future, select topics, particularly some of the more rapidly changing areas of our industry, can be updated in specific volumes. This will make the process more timely..."Target Audience: Literally everyone involved in any aspect of flexography.

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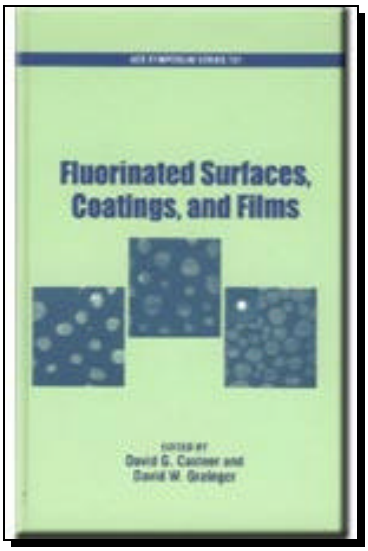
Title	Location	Edition / Series / Misc.

1304 **Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)**

Author: David G. Castner and David W. Grainger, eds.
Publish.: American Chemical Society
- place:
- date: 2001
Subject: Polymer Surface Chemistry - Coating Processes - Polymer Surface
Desc: 256 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841236232
Shelf

Edition:
Series:
Year: 2001
Price: $88.50



Subjects

235 .	Coating processes
601 .	Polymer Surface Chemistry
602 .	Polymer Surface Modification

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Fluorinated Coatings and Films: Motivation and Significance
AFM Study on Lattice Orientation and Tribology of SAMS of Fluorinated Thiols and Disulfides on Au(111): The Influence of Molecular Structure
Aggregation Structure and Surface Properties of Immobilized Fluoroalkylsilanes and Their Mixed Monolayers
Stabilizing Colloids with Fluorocarbon—Hydrocarbon Diblocks: Examples of Vesicles Made From Single-Chain Fluorinated Surfactants
Adsorption and Aggregation Properties of a Series of Semifluorinated, Unsaturated Fatty Acid Esters from Nonaqueous Solution
Wetting Behavior of Thin Films of Polymethacrylates with Oligo (hexafluoropropene oxide) Side Chains
Grand Unified Theory of Fluorocarbon Polymer Mobility on Disk Surfaces
Fluorinated Silicone Coatings with Controlled Surface Chemistry and Microstructure
Wettability of Fluorosilicone Surfaces
Design of Fluorinated Acrylic-Based Polymers as Water Repellant, Intrinsically Photostable Coating Materials for Stone
Fluorinated Polymer Claddings for Optical Fibers
Ultra Water Repellant Thin Films Prepared by dc Plasma Polymerization of Vinylidene Fluoride
Surface Interactions of CF
Amorphous Fluorocarbon Films
Chemical and Contact Mechanical Characterization of Thin Plasma-Deposited Hexafluoropropylene Films
Fluoropolymer Films Deposited by rf Plasma Sputtering of Polytetrafluoroethylene Using Inert Gases
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Reviews - Synopsis - Dust Jacket

Fluorinated Surfaces, Coatings, and Films
papers from the ACS Symposium Series which focuses on recent research into the development of lower cost fluorinated polymers for use in the commercial polymer industry. Both basic science and more industrially oriented areas of research are represented.From the Preface: "...The general interest in perfluorinated materials chemistry as a surface energy reducing agent, lubricant, optical cladding, dielectric barrier, or selectively permeable membrane in thin-film form [has] prompted active research and development efforts in two areas of perfluorinated film chemistry: lower cost fluoropolymers with improved film processing and small perfluoroalkyl-containing molecules capable of forming coherent, stable films and coatings...Because the valuable technological properties of fluorinated films and coatings are associated both with perfluoroalkyl chain chemistry and chain orientation, methods and techniques that control or place specific perfluoroalkyl groups at the the interface are a current focus..."Target Audience: Academic and industrial scientists, engineers, and researchers investigating perfluorinated surfaces and interfaces, as well as upper-level students in this field.

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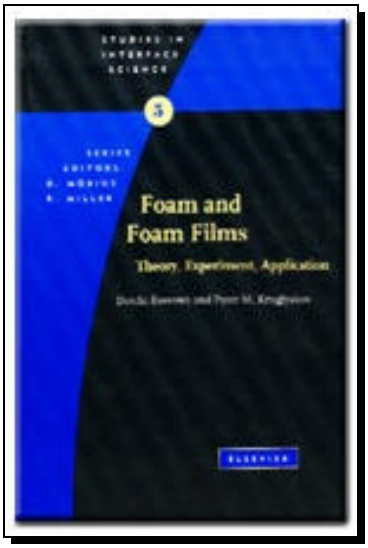
Title	Location	Edition / Series / Misc.

1265 **Foam and Foam Films: Theory, Experiment, Application**

Author: Dotchi Exerowa and Pyotr M. Kruglyakov
Publish.: Elsevier
- place:
- date: 1998
Subject: Colloids and Emulsions - Biopolymers and Medical Applications -
Desc: 795 p, 6.5 x 9.5 Hardcover
Chemistry

Dynix:
Call No.:
ISBN: 444819223
Shelf

Edition:
Series:
Year: 1998
Price: $253.50



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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Formation and Structure of Foams: Pressure in the Liquid and Gas Phases of Foams
Experimental Methods Involved in the Study of Foam Films
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Foam Structural Parameters and Related Properties: Techniques for Determination
Foam Drainage
Foam Collapse
Foam Stability and the Stabilising Ability of Surfactants
Physical Properties of Foams
Foam Breakdown by Antifoam
Technological Application of Foams: Physicochemical Ground
Black Foam Films: Application in Medicine
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Reviews - Synopsis - Dust Jacket

This monograph considers the main physicochemical aspects, such as preparation, structure, and properties, of foam and foam films; special emphasis is placed on foam stability. A major contribution represents the independent consideration of formation and stability of foam films in theoretical and experimental aspects. Data and information about foams, physicochemical characterization of surfactants, phospholipids and polymers is also presented.From the Preface: "...In the present monograph, we have attempted to both explain and describe the processes running in the foams and their equilibrium properties on the basis of quantitative regularities of electrostatic, molecular, etc. interactions, physicochemical, hydrodynamic and other surface phenomena. However, considering the complex nature of foam properties, it has, understandably, proved impossible for a number of properties and processes, still awaiting quantitative explanation..."Target Audience: Graduate and postgraduate students, scientists,
researchers, and technologists dealing with thin liquid films, colloids, oil recovery, and bioengineered surfaces.

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Foam Extrusion: Principles and Practice

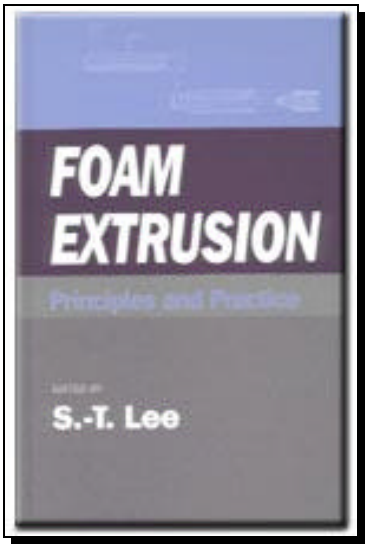
Title	Location	Edition / Series / Misc.

1282 **Foam Extrusion: Principles and Practice**

Author: Shau-Tarng Lee, ed.
Publish.: Technomic
- place:
- date: 2000
Subject: Extrusion - Materials Science - Plastics Processing Technology
Desc: 365 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1566768799
Shelf

Edition:
Series:
Year: 2000
Price: $178.50



Subjects

598 .	Extrusion
609 .	Materials Science
628 .	Plastics Processing Technology

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Process Design for Thermoplastic Foam Extrusion
Foam Extrusion Machinery Features
Mixing Design for Foam Extrusion: Analysis and Practices
Foaming Agents for Foam Extrusion
Continuous Production of High-Density and Low-Density Microcellular Plastics in Extrusion
Foam Extrusion of Polyethylene Terephthalate (PET)
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Reviews - Synopsis - Dust Jacket

This text and reference provides a unified presentation of foam extrusion technology from scientific basics through engineering practice, effectively commingling the science of foaming with the technology of extrusion.From the Foreword: "...The editorial approach and contents of this work place appropriate emphasis on the fundamental phenomena of gas dissolution in polymers and its effects on melt rheology and on the complex and still not fully elucidated dynamic processes of foam nucleation and growth. With this background it attends to important aspects relating to the effects of the screw and the design as well as process variables on foam extrusion..."From the Preface: "...This book brings dissimilarly natured foaming and extrusion under one cover...Starting with fundamentals, gas molecules in polymers, then moving to separation, gaseous voids in polymers, scientific foundations are laid in such a way that the microscopic transition from nuclei to a void (nucleation) and the macroscopic movement from a void to an object (formation) are plausibly addressed...The art of processing to match the foaming requirements is addressed from the operation perspective: processing and shaping. The last section of this book presents interesting foam extrusion developments, showing how scientific findings can be applied to the engineering field, from principles to batch experimentation to continuous foaming..."Target Audience: All those involved in foamed plastics research and development, engineering, processing, and applications, as well as graduate students and faculty interested in foamed plastics.

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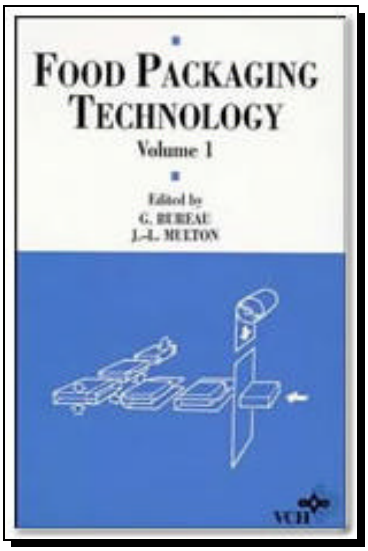
Title	Location	Edition / Series / Misc.
1164 **Food Packaging Technology, Vol. 1**		*Edition:*
Author: G. Bureau and J.-L. Multon, eds.	*Dynix:*	*Series:*
Publish.: Wiley - VCH	*Call No.:*	
- place:	*ISBN:* 471186414	
- date: 1996	*Shelf*	*Year:* 1996
Subject: Packaging Technology - Health, Safety, and the Environment -		*Price:* $221.50
Desc: 398 p, 6 x 9 Hardcover		



Subjects

623 .	Health, Safety, and the Environment
629 .	Packaging Technology
630 .	Packaging Conformance and Specifications

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Toxicological RisksConsumer Norms and Regulations:
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The Agrofood Business — Legal Liability
Standardization of Packaging
The Consumer's Point of ViewThe Container and Its Closure: Physical and Chemical Properties of Packaging Materials — Recent Developments:
Physical and Chemical Reactions Between Metallic Packaging Materials and the Constituents of Foods — Corrosion and Protection
Glass Used for Packaging
Metallic Containers for Sterilization
Metal and Plastic Trays Suitable for Sterilization
Lightweight Metallic Packaging for Nonsterilized Foodstuffs
Stamped, Restamped and Stamped Drawn Cans
Plastic Films
Molded Plastic Containers for Foodstuff Packaging
Inks and Varnishes
Glues and Adhesives
Edible Films and Coatings
Index for Volumes 1 and 2Note:
Food Packaging Technology, Vol. 2 is a companion volume to this title.

Reviews - Synopsis - Dust Jacket

The first of a two-volume set, this book discusses package function, food packaging standards and regulations, packaging-related food contamination risks, and recent developments in container and closure materials and technology. It examines all aspects of packaging technology relevant to processing, preservation, marketing, and distribution of virtually all types of food.From the Preface: “Today's food package is a multifaceted and multitalented participant in the food industry. It is called upon to contain, preserve, protect, inform, market, and much more. Packaging, which has been aptly referred to as one of the most manifold and least noted revolutions in the common experience, provides wholesome, high-quality, nutritious food products throughout the year, yet we tend to take it for granted...
discussions on all the roles played by food packaging, including not only the technical areas, but also the business/economic areas..."Target Audience: Every professional and student concerned with food packaging technology.

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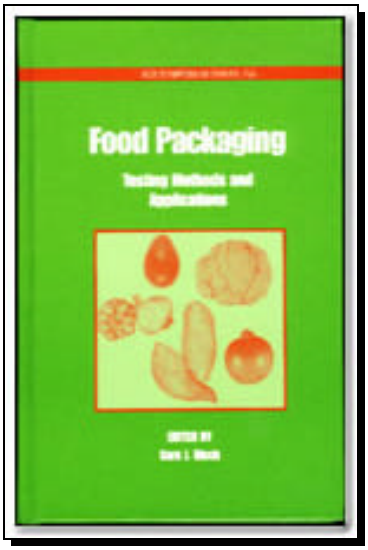
Title	Location	Edition / Series / Misc.

1291 **Food Packaging: Testing Methods and Applications (ACS Symposium Series 753)**

Author: Sara J. Risch, ed.
Publish.: American Chemical Society
- place:
- date: 2000
Subject: Packaging Technology - Packaging: General Reference - Solubility
Desc: 174 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841236178
Shelf

Edition:
Series:
Year: 2000
Price: $65.00



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The Use of Model Substances for Migration Studies
Fatty Food Simulants: Solvents to Mimic the Behavior of Fats in Contact with Packaging Plastics
What Simulant Is Right for My Intended End Use?
Stability of R-PET for Food Contact: Pilot Recycling Studies and Mathematical Confirmation
Recycled Plastics: Experimental Approaches to Regulatory Compliance
New Test Methods for Highly Permeable Materials
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Prediction vs. Equilibrium Testing for Permeation of Organic Volatiles Through Packaging Materials
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Subjects

605 .	Solubility and Surfactants
629 .	Packaging Technology
716 .	Packaging: General Reference

Reviews - Synopsis - Dust Jacket

This collection of papers from the third ACS symposium on the interaction between foods and packaging materials focuses on the development of models to predict the diffusion of compounds through different types of packaging. Improvements in such models will greatly benefit package and food product developers, as well as regulators concerned with food safety. Recommended.From the Preface: “Packaging development has been driven by the demands of the food industry, regulatory agencies, and environmental groups. The food industry wants packaging materials that provide better barriers, that preserve products better, and that help give them longer shelf lives. The regulatory agencies want assurance that the materials, which are being developed, meet the necessary safety standards to insure that products are not contaminated by the materials in which they are packaged. On the environmental side, there are demands for use of less material overall and to reuse or recycle as much of that material as possible...”Target Audience: Food and packaging scientists and technologists and students of these fields.

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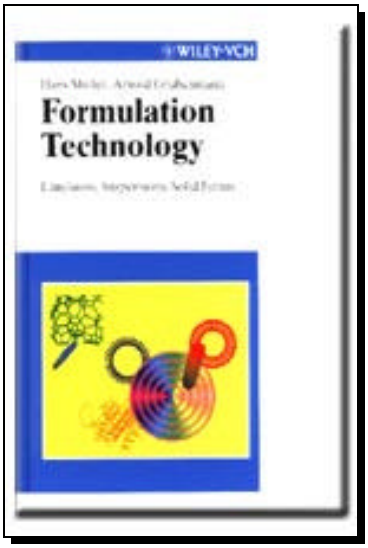
Title	Location	Edition / Series / Misc.

1477 **Formulation Technology: Emulsions, Suspensions, Solid Forms**

Author:
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: Colloids and Emulsions - Solubility and Surfactants
Desc: 446 p, 6.7 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 3527302018
Shelf

Edition:
Series:
Year: 2001
Price: $206.50



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605 .	Solubility and Surfactants
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

This book covers basic physico-chemical theory as well as its applications in the chemical industry for the formulation of a wide range of products — powders, agglomerates, granules, suspensions, emulsions, microemulsions, microcapsules, liposomes, and tablets all rely on formulation technology, which combines colloid and surface chemistry with chemical process engineering. Sometimes a simple mixing operation is effective; often a more complicated series of processes such as comminution, dispersion, emulsification, agglomeration, and drying is required.From the Preface: "...It has long been recognized that the application properties of a substance to be formulated can be improved by suitable measures, such as an increase in solubility, solubilization, division of solids into a colloidal form, agglomeration of the substance to be formulated, abaove all the use of efficient tensides — all these create numerous effects, improvements, and new possibilities for use in the field of formulation..."Target Audience: Chemists and chemical engineers concerned with formulation technology, especially those in the pharmaceuticals, agrochemicals, pigments and dyes, food, detergents, and cosmetics industries.

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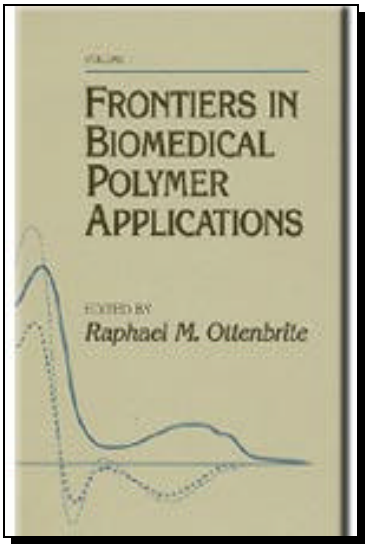
Title	Location	Edition / Series / Misc.

1148 **Frontiers in Biomedical Polymer Applications, Vol. 1**

Author: Raphael M. Ottenbrite, ed.
Publish.: Technomic
- place:
- date: 1998
Subject: Biopolymers and Medical Applications - Polymer Surface Modificatic
Desc: 331 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1566765773
Shelf

Edition:
Series:
Year: 1998
Price: $166.50



Subjects

602 .	Polymer Surface Modification
622 .	Biopolymers and Medical Applications

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Surface Modification of Colloidal Drug Carriers
Hybrid Polymeric Hydrogels for the Controlled Release of Protein Drugs: DSC Investigation of Water Structure
Degradable Polyphosphazenes for Biomedical Applications
Reorganization of Fibronectin by Fibroblasts and Signaling via Integrins are Related to the Biocompatibility of Materials
Self-Assemblies as Drug Delivery Systems
Effective Reconstitution of Cell Membrane Proteins into Liposome
Characterization of Vesicles for Vascular Cell Targeting: Influence of Dextran Coating
Intelligent Polymer Systems for Molecular Separation and Controlled Delivery of Drugs
Cytocompatibility of a Polyelectrolyte Complex and of Its Thermal Condensation Products
Inclusion Complexes of Antihypertensive Drugs with New Modified Beta-Cyclodextrins
Poly(ether-amidoamines) vs. Polyamidoamines: Chemico-Physical Characterization and Cytotoxicity
Different Sulfation Degree of Hyaluronic Acid as Heparin-Like Molecule: Physico-Chemical Characterization and Biological Performance
Complexes of Copper(II) with Glycosaminoglycans and Their Biological Activity
Synthesis of Bioadsorbable Polyester, Polydepsipeptide with Functionalized Side-Chain Groups, and Their Utilization as Drug Carriers
Affinity-Binding of Cells to Sephadex Derivatized with Peptides and Proteins
Polymeric Membranes for Hybrid Liver Support Devices: The Effect of Membrane Morphology on Hepatocyte Viability and Functions
Immobilization of Plasminogen onto Polyurethane Surfaces
Comparative Evaluation of PMMA Intraocular Lenses
Impact Behavior of UHMWPE/HA Composites for Orthopedic Prostheses
Determination and Influence of Residual Metals in Poly (L-Lactide)
Contribution of New Partially Biodegradable Composites to the Design of Reinforced Resorbable Implants for Surgery
Effect of Crystallization Temperature on the Structure of Amorphous Domain of Poly-L-Lactide
Poly(D,L-co-epsilon-Caprolactone): Synthesis and Characterization
Multi-Step Surface Tailoring of Poly(ethylene terephthalate)
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3287.html">Frontiers in Biomedical Polymer Applications, Vol. 2
this title.

Reviews - Synopsis - Dust Jacket

The first of a two-volume set, this book presents an extensive compilation of the latest developments in the use of synthetic polymers as biomaterials. The 24 papers were originally presented at the first International Meeting on the Frontiers of Medical Applications of Polymers, held in St. Marguerite, Italy.From the Preface: "...There are actually two related fields using polymers for bioapplications. One is implant materials, which may be permanent prostheses, such as hip joints and tendons, or temporary

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implants made of bioabsorbable materials for sutures and splints for bone fractures. Polymeric drugs and delivery systems is the other major field. Materials for this application may not be bioabsorbable but must be biocompatible and safely assimilated by or eliminated from the body..."Target Audience: A broad spectrum of biorel scientists such as chemists, bioengineers, biologists, polymer scientists, and medical researchers.

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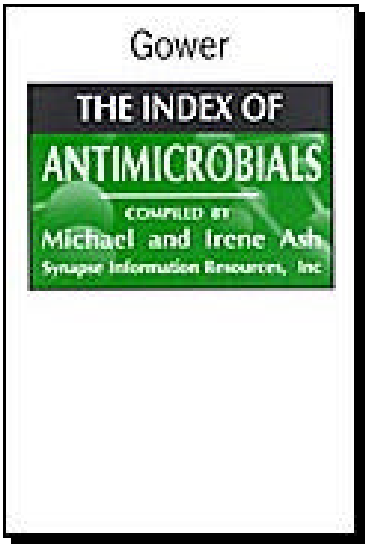
Title	Location	Edition / Series / Misc.

1564 **Functional Index Series: Index of Anti-Microbials**

Author:
Publish.: Gower
- place:
- date: 1996
Subject: Raw Materials
Desc: 468 pages.

Dynix:
Call No.:
ISBN: 0566078163
Shelf

Edition:
Series:
Year: 1996
Price: $225.00



Subjects

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Reviews - Synopsis - Dust Jacket

This reference work describes over 1600 trade names and generic chemicals that are used as antimicrobials in a v range of applications. The trade name products are cross-referenced by chemical composition, application, CAS ar EINECS number and manufacturer.

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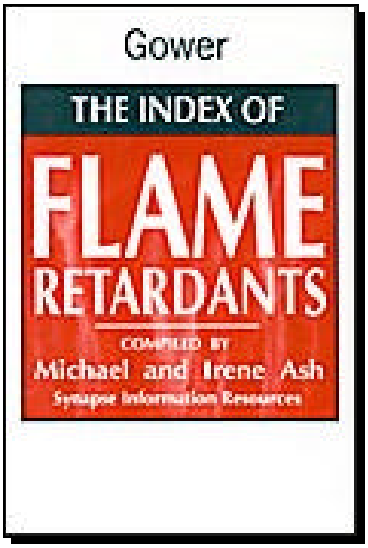
Title	Location	Edition / Series / Misc.

1565 **Functional Index Series: Index of Flame Retardants**

Author:
Publish.: Gower
- place:
- date: 1997
Subject: Raw Materials
Desc: 305 pages.

Dynix:
Call No.:
ISBN: 0566078856
Shelf

Edition:
Series:
Year: 1997
Price: $225.00



Subjects

636 .	Raw Materials

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Reviews - Synopsis - Dust Jacket

The Index contains comprehensive information on more than 1000 trade name products and chemicals, representir broad range of flame retardants that are available from major chemical manufacturers. Products are cross-reference chemical composition, application, CAS and EINECS/ELINCS number.

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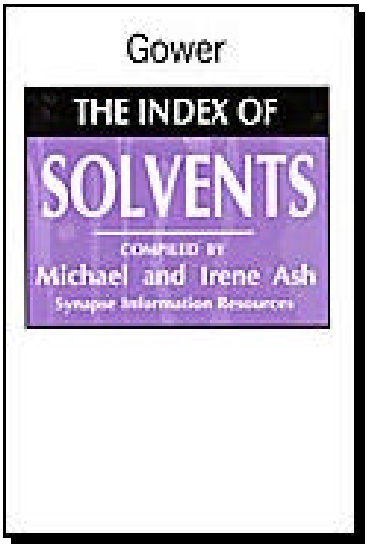
Title	Location	Edition / Series / Misc.

1566 **Functional Index Series: Index of Solvents**

Author:
Publish.: Gower
- place:
- date: 1996
Subject: Raw Materials
Desc: 589 pages, hard bound

Dynix:
Call No.:
ISBN: 0566078848
Shelf

Edition:
Series:
Year: 1996
Price: $225.00



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Reviews - Synopsis - Dust Jacket

The Index features over 1700 trade name products and chemicals used in the chemical industry and in research. E trade name produce is cross-referenced by manufacturer, composition, application, CAS and EINECS number.

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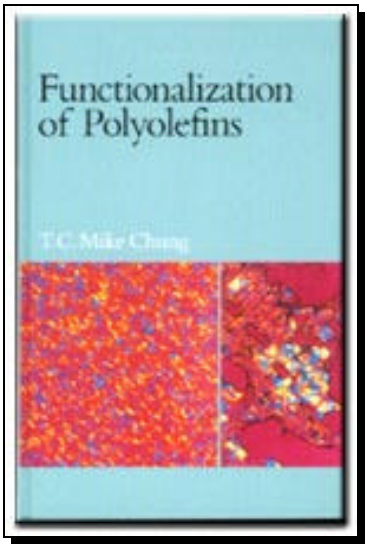
Title	Location	Edition / Series / Misc.

1372 **Functionalization of Polyolefins**

Author: T.C. Mike Chung
Publish.: Academic Press
- place:
- date: 2002
Subject: Polymer Science - Recommend this Site
Desc: 288 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 121746518
Shelf

Edition:
Series:
Year: 2002
Price: $55.00



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Polyolefin Development and Prospects
General Approaches in Functionalization of Polyolefins
Direct Polymerization of B- and Si-Containing Monomers
Direct Polymerization of O-, N-, and Cl-Containing Monomers
Functionalization by Post-Polymerization Processes
Functionalization via Reactive Polyolefins Containing Borane Groups
Functionalization via Reactive Polyolefins Containing p-Methylstyrene Groups
Functionalization via Reactive Polyolefins Containing Unsaturated Groups
Synthesis of Polyolefins with a Terminal Functional Group
Synthesis of Functional Polyolefin Diblock Copolymers
Synthesis of Functional Polyolefin Graft Copolymers
New Maleic-Anhydride-Modified and Long-Chain-Branched Polyolefins
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Reviews - Synopsis - Dust Jacket

Polyolefins are the most widely used commercial polymers, and their functionalization has been a longstanding scientific challenge and an area of enduring industrial importance. Significant progress has been made in the field, with exciting results published in many peer-reviewed journals.Functionalization of Polyolefins the significant experimental results in the field, and classify them into four coherent categories — direct polymerization, post-polymerization, the reactive copolymer approach, and polyolefin block and graft copolymers. It also provides an update on the functional polyolefin materials available today.From the Preface: "...To my knowledge, there is no book specifically dedicated to the functionalization of polyolefin. Some book chapters describe individual chemical and physical modifications of specific polymers and their properties. With high interest in this research area and many new exciting experimental results available, it seems the right time to systematically summarize the experimental results into several basic chemical approaches and to discuss the scope and limitations (advantages and disadvantages) of each method...[T]he major goals of this book are to provide a reference for researchers, and especially to inspire new researchers and stimulate their ideas in this important area..."Target Audience: Researchers in industry and academia in functionalization chemistry and polymers; also ideal as a core text for advanced polymer chemistry and courses on polyolefins and polymers.

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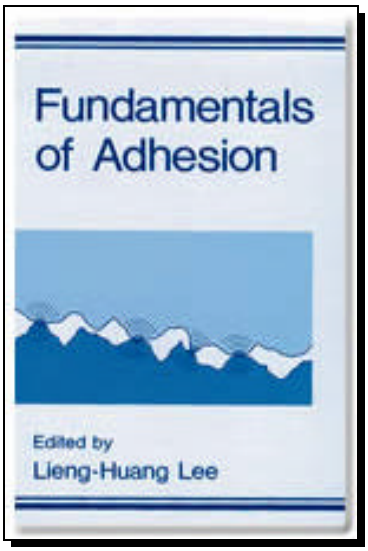
Title	Location	Edition / Series / Misc.

1009 **Fundamentals of Adhesion**

Author: Lieng-Huang Lee, ed.
Publish.: Plenum Press
- place:
- date: 1991
Subject: Adhesives and Adhesion - Colloids and Emulsions - Interfacial
Desc: 472 p, 6.5 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 306434709
Shelf

Edition:
Series:
Year: 1991
Price: $165.00



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The Chemistry and Physics of Solid Adhesion
Thermodynamics of Adhesion
Theory of Adhesive Forces Across Interfaces: 1. The Lifshitz — van der Waals Component of Interaction and Adhesion
Theory of Adhesive Forces Across Interfaces: 2. Interfacial Hydrogen Bonds as Acid—Base Phenomena and as Factors Enhancing Adhesion
The Dynamics of Wetting
Kinetics of Polymer—Polymer Interdiffusion
Welding, Tack, and Green Strength of Polymers
Role of Electrostatics in Adhesion
Adhesion Through Silane Coupling Agents
Adhesive—Adherend Interface and Interphase
Adhesion at Metal Interfaces
Hard—Soft Acid—Base (HSAB) Principle for Solid Adhesion and Surface Interactions
Interface Design for Thin Film Adhesion
Chemistry, Microstructure, and Adhesion of Metal—Polymer Interfaces
Aspects of Bioadhesion
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3020.html">Adhesive Bonding

Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
621 .	Colloids and Emulsions

Reviews - Synopsis - Dust Jacket

This popular text and reference on adhesion concentrates on the mechanics of bond formation, and presents a fine overview of the related underlying theory. Topics include the thermodynamics of adhesion, adhesive forces and chemical interactions at interfaces, wetting, diffusion mechanisms in adhesion, thin film adhesion, bioadhesion, and electronic adhesion theory.From the Preface: "...In this first volume we focus on adhesion with or without the use of an adhesive...our major concern is the mechanisms of bond formation...we shall stress the fundamentals of adhesion..."Target Audience: All researchers, technologists, a students
interested in adhesion science and engineering.

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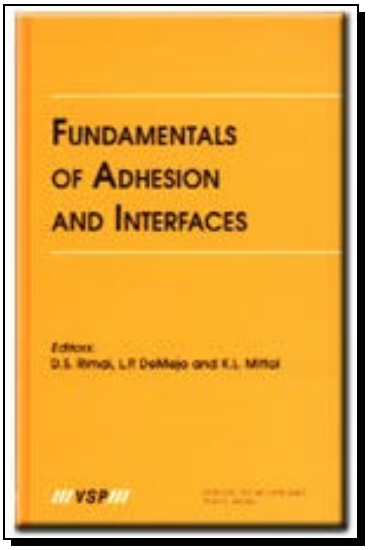
Fundamentals of Adhesion and Interfaces

Title	Location	Edition / Series / Misc.
1396 **Fundamentals of Adhesion and Interfaces**		*Edition:*
Author: D.S. Rimai, L.P. DeMejo, and K.L. Mittal, eds.	*Dynix:*	*Series:*
Publish.: VSP	*Call No.:*	
- place:	*ISBN:* 9067641979	
- date: 1995	*Shelf*	*Year:* 1995
Subject: Adhesives and Adhesion - Interfacial Engineering and Surface		*Price:* $85.00
Desc: 304 p, 6.2 x 9.4 Hardcover		



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
606 .	Adhesives and Adhesion

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Mechanics of Particle Adhesion
The Role of Adhesion in the Impact of Elastic Spheres
Surface Roughness and its Influence on Particle Adhesion Using Atomic Force Techniques
JKR—DMT Transition in the Presence of a Liquid Meniscus
Adhesion of Charged Particles
Adhesion and Cohesion Mechanisms of Lunar Dust on the Moon's Surface
The Adhesion-Induced Deformation and the Removal of Submicrometer Particles
X-Ray Evanescent Wave-Induced Fluorescence Study of Adsorption of a Sulfonated Polystyrene Ionomer from Dimethyl Sulfoxide to the Solution/Vapor Interface
Surface Modification of Ultra-High Molecular Weight Polyethylene Fibers by Gamma-Radiation-Induced Grafting
Probing Adhesion Spectroscopically: Rheo-Photoacoustic FT-IR Spectroscopy and Work of Adhesion
Formation of Polyamide—Cu Complexes: Improvement of Direct Cu-on-PI and PI-on-Cu Adhesion
Fracto-Emission and Electrical Transients Due to Interfacial Failure
Direct Measurement of Molecular Level Adhesion Between Poly(ethylene terephthalate) and Polyethylene Films: Determination of Surface and Interfacial Energies
Wetting Hysteresis: Effects Due to Shadowing
Interaction Forces Between Hydrophobic Mica Surfaces
Cracks at Adhesive Interfaces
Relationship Between Adhesion and Friction Forces
Molecular Dynamic Modeling of Interfacial Energy

Reviews - Synopsis - Dust Jacket

In addition to technological advances pushing the development of adhesion and interfacial sciences, recent experimental and computational tools have helped pull these areas forward. Novel spectroscopic techniques and improved equipment has led to a better understanding of bond formation and breaking upon contact and separation. In addition, recent advances in computer technology have facilitated both the acquisition of data and the enhancement of theoretical understanding of adhesion and interfacial phenomena.The papers contained in this volume were originally presented at the Fundamentals of Adhesion and Interfaces Symposium, held in Chicago at the August 1993 meeting of the American Chemical Society. The papers were originally reviewed and published in two special issues of the of Adhesion Science and TechnologyFrom the Preface: “Surfaces are everywhere and the importance of their interactions transcends individual technologies. Some of the technological areas where surfaces play a vital role are friction, wear, triboelectrification, surface contamination control in microelectronics, bioadhesion, particle adhesion, pharmacology, agriculture, electrophotography, electronics packaging, semiconductor fabrication, and, of course, adhesive bonding. Accordingly, the fields of adhesion and interfacial sciences have become quite multidisciplinary in recent years...”Target Audience: Academic and industrial scientists and technologists concerned with adhesion and interfacial phenomena.

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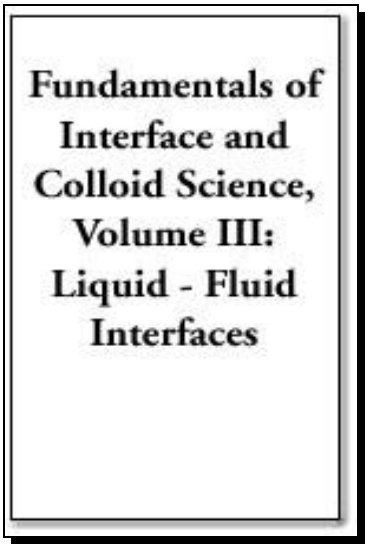
Title	Location	Edition / Series / Misc.

1281 **Fundamentals of Interface and Colloid Science [Vol 3: Liquid - Fluid Interfaces]**

Author: Hans Lyklema, ed.
Publish.: Academic Press
- place:
- date: 2000
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Scienc
Desc: 790 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 124605230
Shelf

Edition:
Series:
Year: 2000
Price: $108.50



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions

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Interfacial Tension: Measurement
Interfacial Tension: Molecular Interpretation
Langmuir Monolayers
Gibbs Monolayers
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Appendix 2: Integral and Differential Characteristic Functions of Flat Interfaces
Appendix 3: Some Principles of Variational Calculus
Appendix 4: Contact Angles
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Reviews - Synopsis - Dust Jacket

This combination reference/textbook takes the reader from elementary to expert level, without invoking countless complex mathematical derivations. A deductive approach is followed, with systems of growing complexity being treated as the book progresses — because basic principles are established first, an advanced command of physics and chemistry is not required.Fundamentals of Interface and Colloid Scienc Volume III: Liquid—Fluid Interfaces nature, has applications as diverse as agriculture, mineral dressing, oil recovery, industrial chemistry, medical science and biotechnology.From the Preface: "...It is hoped that readers wi the background can find much of the desired information in earlier chapters or to Volume I where needed. To facilitate this process, extensive back-referencing has been applied, although, where appropriate at the beginning of each chapter, the relevant background in the previous volumes is briefly reviewed, so that the present book stands on its own. For more specialistic background information, reference is made to the literature and we provide a very extensive cumulative subject index..."Target Audience: Physical chemists workir colloid, interface, and surface science; industrial chemists working on pigment, emulsion, dispersion, and powder research; pharmaceutical chemists working on membranes and drug formation.

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Title	Location	Edition / Series / Misc.

1063 **Fundamentals of Interfacial Engineering**

Author: Robert J. Stokes and D. Fennell Evans
Publish.: Wiley - VCH
- place:
- date: 1997
Subject: Interfacial Engineering and Surface Science - Adhesives and
Desc: 729 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471186473
Shelf

Edition:
Series:
Year: 1997
Price: $98.50

Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
609 .	Materials Science

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Defining Interfacial Engineering
Interaction Forces in Interfacial Systems
General Properties of Systems Containing Fluid Interfaces
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Amphiphilic Systems: Liquid—Liquid Interfaces
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Thin Films: Solid—Solid Interfaces Processed from the Vapor Phase
Grain Boundary Surfaces and Interfaces in Crystalline Solids
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Reviews - Synopsis - Dust Jacket

Fundamentals of Interfacial Engineering
emerging, crsoss-disciplinary field of interfacial engineering. It repesents a coherent, integrated approach to the field, emphasizing the fundamental concepts underlying interfacial phenomena and how these concepts are reduced to practice in processing and manufacturing settings. Unique in its broad scope, the book establishes connections between interfacial phenomena in all materials systems, and draws attention to the similarities and distinguishing differences between liquids, polymers, and crystalline solids. Each chapter features explicit examples that illustrate applications to different processes and products situations.From the Preface: “Understanding and utilizing th special properties of molecules at interfaces constitutes one of the scientific and technological triumphs of the twentieth century...The objective of this book is to develop a unified approach to interfacial engineering, a coherent interdisciplinary activity that focuses on the design and manufacture of products and processes whose performance depends on interfacial forces and transport pehnomena...”Target Audience: Upper-level undergraduate and graduate students in chemical engineering, materials science, polymer science, and electronics engineering; also valuable for industrial and government researchers in these fields seeking knowledge of interfacial phenomena across disciplinary lines.

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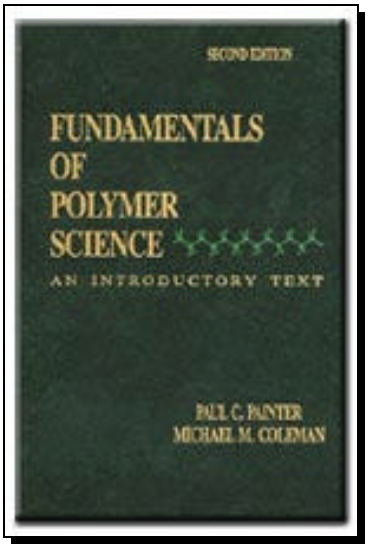
Title	Location	Edition / Series / Misc.

1015 **Fundamentals of Polymer Science: An Introductory Text, 2nd Ed.**

Author: P.C. Painter and M.M. Coleman
Publish.: Technomic
- place:
- date: 1997
Subject: Polymer Science - Recommend this Site
Desc: 492 p, Hardcover

Dynix:
Call No.:
ISBN: 1566765595
Shelf

Edition:
Series:
Year: 1997
Price: $105.00



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715 .	Recommend this Site

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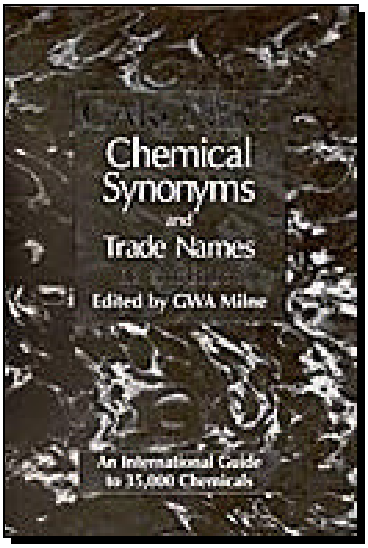
Title	Location	Edition / Series / Misc.

1567 **Gardner's Chemical Synonyms and Trade Names**

Author:
Publish.: Gower
- place:
- date: 1999
Subject: Reference
Desc: 1418 pages, hardbound

Dynix:
Call No.:
ISBN: 0566081903
Shelf

Edition:
Series:
Year: 1999
Price: $325.00



Subjects

637 .	Reference

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Reviews - Synopsis - Dust Jacket

An international guide to over 35,000 chemicals, this volume is one of the most widely used sources of information chemicals in commerce. Entries contain detailed information on chemical composition, functions, applications and suppliers. Physical property data for pure chemicals has been added to this edition. Edited by GWA Milne, the bool contains thousands of new synonyms.

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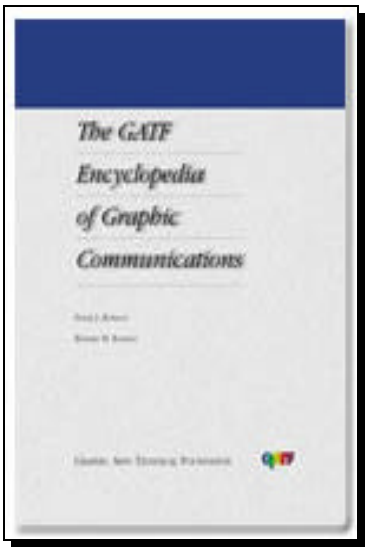
Title	Location	Edition / Series / Misc.

1159 **GATF Encyclopedia of Graphic Communications**

Author: Frank J. Romano and Richard M. Romano, eds.
Publish.: GATF
- place:
- date: 1998
Subject: General Reference - Color Theory, Testing, and Analysis - Inks and
Desc: 985 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 883621908
Shelf

Edition:
Series:
Year: 1998
Price: $138.50



Subjects

603 .	Inks and Coatings
604 .	General Reference
618 .	Color Theory, Testing, and Analysis

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Reviews - Synopsis - Dust Jacket

This landmark work is the most extensive one-volume reference ever published on graphic communications. Some ten thousand printing, publishing, and digital media terms are explained — each definition is relatively brief, but addresses the full context of the term. Coverage includes printing, typography, graphic design, color, paper and ink, binding, finishing, photography, publishing, computers, new media, the world wide web, and much more. As a whole, this volume is a treasure trove of information. More than 650 illustrations, including a 16 page color signature.An introductory essay on the first 500 years of printing provides an extremely readable and fascinating background. And, an exhaustive 2,000 year time line of communications history is included as an appendix. It relays chronologically the most important advances in advertising, broadcasting, computing, information, media, photo imaging, printing and paper, telecommunications, typesetting, and word processing.From the Foreword: "...With the Communications
in this comprehensive volume extends to the public as well [as to professionals in the graphics industry]...It is the most extensive resource ever published on virtually every aspect of visual communication..."Target Audience: Virtually any reader with a need for a comprehensive encyclopedic reference to the graphic arts and visual communication.

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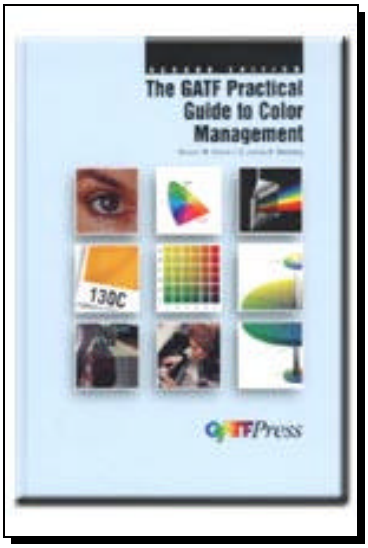
Title	Location	Edition / Series / Misc.

1182 **GATF Practical Guide to Color Management, 2nd Ed.**

Author: Richard M. Adams II and Joshua B. Weisberg
Publish.: GATF
- place:
- date: 2000
Subject: Color Theory, Testing, and Analysis - Printing Technology
Desc: 250 p, 7.5 x 10 Hardcover

Dynix:
Call No.:
ISBN: 883622483
Shelf

Edition:
Series:
Year: 2000
Price: $58.50



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618 .	Color Theory, Testing, and Analysis
624 .	Printing Technology

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Introduction
Color Theory
Closed-Loop Color
Color Measurement
Color Characterization
Color Management Profiling Software
Integrating Color Management
Visual Color Evaluation
Color Management Tools for Users
Appendices
Glossary
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Reviews - Synopsis - Dust Jacket

First published in 1998, this revised edition reflects the current state-of-the-art in color management technology. This publication provides a thorough and functional guide to integrating color management into a production workflow.As image processing moves from the scanner to the computer, the second edition of printers the competitive advantage by walking them through color management and explaining the importance of all systems components. After reviewing basic color theory and discussing traditional closed-loop color reproduction, the book guides readers through calibrating and characterizing scanners, monitors, and printers. It provides an updated review of hardware, profiles color management software, and demonstrates how color management tools relate to specific jobs in the graphic communications industry.From the Preface: "...Several print market trends are fostering the development of color management and make it difficult to compare directly with traditional color scanning. These include increasing use of desktop scanners, growth in on-demand printing and computer-to-plate (especially for short-run printing), increasing use of digital proofing, and the wider adoption of printing specifications. Color management has also benefitted from recent technologies, especially new, low-cost color measurement instruments, the IT8.7 color scanner target standard, the International Color Consortium (ICC) profile standard, and new color profiling software..."Target Audience: A must-have for all desktop or high-end color publishers.

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Glossary of Plastics Terminology in Five Languages, 5th Ed.

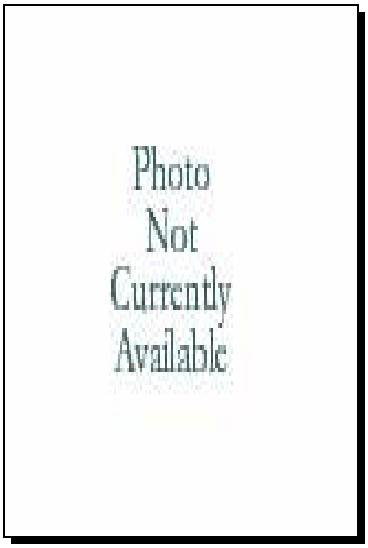
Title	Location	Edition / Series / Misc.

1379 **Glossary of Plastics Terminology in Five Languages, 5th Ed.**

Author: Wolfgang Glenz, ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: General Reference - Plastics Processing Technology
Desc: 390 p, 4.6 x 7.5 Paperback with CD-ROM

Dynix:
Call No.:
ISBN: 156990328
Shelf

Edition:
Series:
Year: 2001
Price: $36.50



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628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

The fifth edition of this glossary, for the first, time, includes a CD-ROM version. But, in electronic or print format, the concept remains unchanged since the first edition — offer a word-for-word translation without further explanation or interpretation. With this in mind, the user must be aware that this glossary is no substitute for a concise technical dictionary. It is particularly valuable for a quick translation of technical terms from a foreign language to the user's language. English, German, French, Spanish, and Italian are covered.From the Preface: “This revised and enlarged edition of the glos contains 1795 words connected with chemistry, properties, testing, and the technology of plastics; i.e., 15% more entries than the previous edition. The editorial team incorporated only a limited number of new terms to make sure that the glossary remains a quick-reference volume...”Target Audience: Technical writers and translators, researchers, marketers, importers or exporters, and other professionals who need to translate or understand plastics terminology in these five languages.

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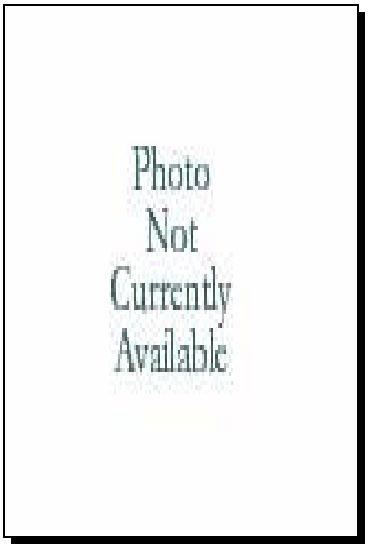
Title	Location	Edition / Series / Misc.

1499 **Green Solvents for Chemistry: Perspectives and Practice**

Author: William M. Nelson
Publish.: Oxford University Press
- place:
- date: 2003
Subject: Solubility and Surfactants - Health, Safety, and the Environment
Desc: 400 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 195157362
Shelf

Edition:
Series:
Year: 2003
Price: $133.50



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Chemical Practice and Solvent Usage
Solvation and Solvent Phenomena
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Reviews - Synopsis - Dust Jacket

The aim of this book is to introduce the use of green solvents throughout chemistry and to provide a comprehensive reference for solvents currently applicable in green chemistry. The first section covers solvents in chemical perspective, and the second section is a guide to green solvents. Overall, this volume defines characteristics of green solvents and their current usage, and explores their importance ecologically and economically.
in that only solvents for green chemistry are included, along with their chemical properties and toxicological data.Target Audience: Any chemist, process engineer, research scientist, technologist, or student who is interested in the characteristics and uses of green solvents.

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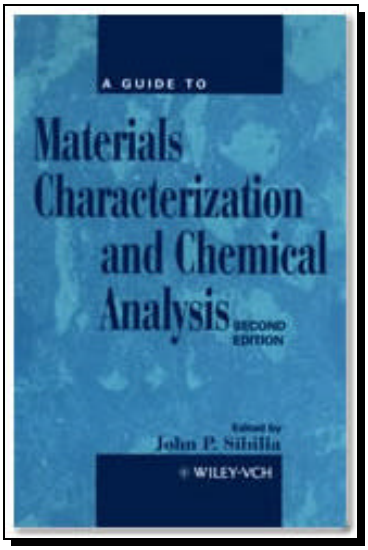
Title	Location	Edition / Series / Misc.

1065 **Guide to Materials Characterization and Chemical Analysis, 2nd Ed.**

Author: John P. Sibilia, ed.
Publish.: Wiley - VCH
- place:
- date: 1996
Subject: Materials Science - Polymer Characterization - QA/QC. Statistics, a
Desc: 400 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471186333
Shelf

Edition:
Series:
Year: 1996
Price: $96.50



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Rheology and Molecular Weight of Polymers
Physical Properties of Particles and Polymers
Applied Mechanics and Physical Testing
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Reviews - Synopsis - Dust Jacket

Written both for the novice and for the experienced scientist, this miniature encyclopedia consicesly describes over one hundred materials methodologies, including evaluation, chemical analysis, and physical testing techniques. Each technique is presented in terms of its use, limitations, sample requirements, and the engineering principles behind its methodology. Real world industrial and academic applications are presented to give the reader a sense of the significance and utilization of each technique.From the Preface: “[This book] was written to provide a guide to anyone interested in the characterization of materials, with emphasis on analysis of chemicals, polymers, ceramics, metals, and composites. Its goal is to provide the novice or student with the salient features of modern materials characterization and analysis techniques. It is also aimed at providing a review for the experienced investigator and expanding the scope of knowledge of those experienced in only a limited number of characterization techniques...”Target Audience: Analytical, inorganic, organic, and physical chemists; physicists; materials scientists; chemical engineers; and lecturers and students in these disciplines.

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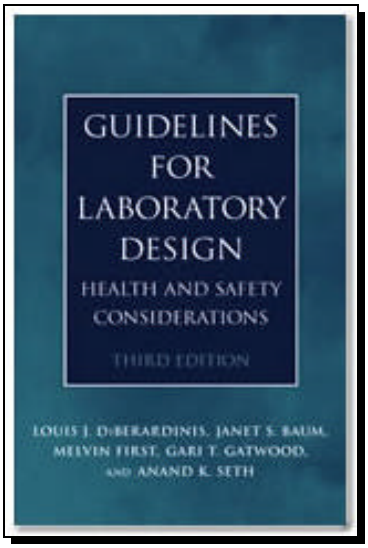
Title	Location	Edition / Series / Misc.

1348 **Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.**

Author:
Publish.: Wiley - Interscience
- place:
- date: 2001
Subject: Health. Safety. and the Environment - General Reference
Desc: 650 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 471254479
Shelf

Edition:
Series:
Year: 2001
Price: $135.00



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Reviews - Synopsis - Dust Jacket

The construction of new laboratories or the renovation of existing ones requires good communication among laboratory workers, project engineers, architects, and construction and health and safety personnel. Too often, health and safety aspects of the project are given insufficient attention. Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.
health and safety issues that need to be considered when building or renovating laboratories. It also presents the latest information on laboratory ventilation and safety systems; incorportes ‘green’ laboratory design techniques; and presents a new perspective on design for environmental preservation.From the Preface: “The third edition of this book contains a new section on renovation of laboratories. This includes a discussion of decontaminating and preparing the laboratories to be renovated for construciton activities and includes advice on conducting the renovation in a manner that has the least impact on on-going activities in other areas of the building...”Target Audience: A wide range of professionals, including those in industrial hygiene, chemical health and safety, laboratory magagement, and architectural and engineering personnel handling laboratory construction and renovation.Brief Table of Contents:Introduction
Elements of Renovations
Used Laboratories
Procedures

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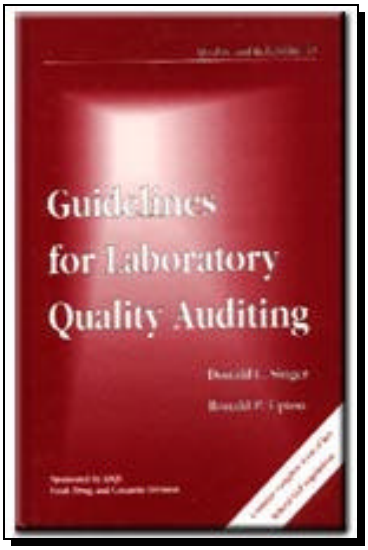
Guidelines for Laboratory Quality Auditing

Title	Location	Edition / Series / Misc.
1023 **Guidelines for Laboratory Quality Auditing**		*Edition:*
Author: Donald C. Singer and Ronald P. Upton	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824787846	
- date: 1993	*Shelf*	*Year:* 1993
Subject: QA/QC. Statistics. and Testing - Biopolymers and Medical		*Price:* $68.50
Desc: 421 p. 6 x 9 Hardcover		



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Sample Laboratory Quality Audit Document
The OECD Principles of Good Laboratory Practice
State of Illinois Rules and Regulations: EPA Rules for Environmental Laboratories
Federal Register (FDA): Good Laboratory Practice Regulations for Nonclinical Laboratory Studies
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Reviews - Synopsis - Dust Jacket

This broadly based, single source volume provides guidance for the quality auditing of a chemical or biological testing laboratory. It will help the reader develop or improve quality control and quality assurance programs in order to meet certification standards or pass external-source audits. The six appendices, which comprise the bulk of the book, offer valuable specific information on a variety of regulations, standard practices, and the like.From the Preface: "...A laboratory can exist for the purpose of analyzing samples and nothing more. Or, a laboratory can be a site of investigation, creativity and development, achievement, training and education, as well as a trusted analytical testing site. A combined effort by management, employees, and customers is necessary to ensure that the product is of the highest quality. Indeed, a laboratory must meet the expectations of each customer in order to assure continued existence..."Target Audience: Laboratory managers an administrators responsible for quality control and quality assurance in the health care field and at analytical and microbiological testing facilities; laboratory quality auditors; and upper-level students in these disciplines.

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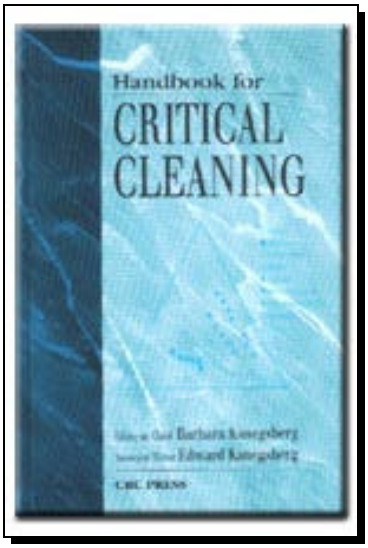
Title	Location	Edition / Series / Misc.

1484 **Handbook for Critical Cleaning**

Author: Barbara Kanegsberg and Edward Kanegsberg, eds.
Publish.: CRC Press
- place:
- date: 2001
Subject: Solubility and Surfactants - Health, Safety, and the Environment
Desc: 680 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849316553
Shelf

Edition:
Series:
Year: 2001
Price: $126.50



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Reviews - Synopsis - Dust Jacket

Cleaning — once a simple process based on one of several cleaning agents and types of equipment — is now recognized as a major factor in process control and product improvement. Choosing the best method involves an understanding of chemistry, engineering, safety and regulatory requirements, and available human resources. The Cleaning rapidly changing world. Rigorous in its treatment of technical issues, broad in scope, and clearly written, the book not only shows you what processes are available and how to evaluate them, but how to customize cleaning procedures to meet your needs. The discussions of cleaning agents and processes are extensive.From the Introduction: “Critical cleaning is required for the physical manifestation of technology. We are in the information age, an age of thought, ideas, communication, but the underlying technology is based on physical objects, parts, or components. Many of these objects require precision cleaning or critical cleaning either because they are intrinsically valuable or because they become valuable in the overall system or process in which they are used...”Target Audience: Chemists, engineers, process quality specialists, manufacturing managers and technologists, safety and hygiene professionals, and others concerned with critical cleaning.Brief Table of Contents:Cleaning Agents
Cleaning Systems
Contamination Control; Analytical Techniques, Compatibility
Process Selection and Maintenance
Specific Areas of Cleaning
Regulatory/Safety Considerations
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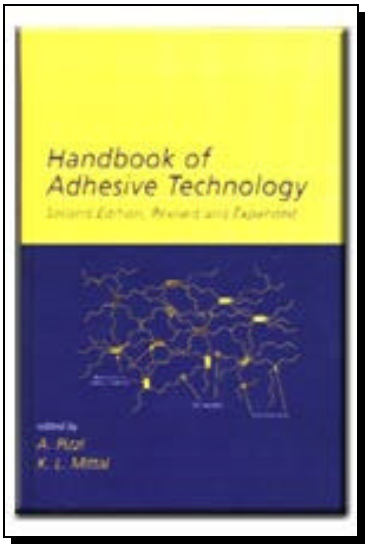
Title	Location	Edition / Series / Misc.

1038 **Handbook of Adhesive Technology, 2nd Ed.**

Author: A. Pizzi and K.L. Mittal, eds.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Adhesives and Adhesion - QA/QC. Statistics. and Testing
Desc: 1036 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824709861
Shelf

Edition:
Series:
Year: 2003
Price: $215.00



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Interactions of Polymers in Solution with Surfaces
Tailoring Adhesion of the Adhesive Formulations by Molecular Mechanics/Dynamics
Principles of Polymer Networking and Gel Theory in Thermosetting Adhesive Formulations
Application of Plasma Technology for Improved Adhesion of Materials
Silane and Other Adhesion Promoters in Adhesive Technology
Testing of Adhesives
The Physical Testing of Pressure-Sensitive Adhesive Systems
Durability of Adhesive Joints
Analysis of Adhesives
Fracture of Adhesive-Bonded Wood Joints
Fracture Mechanics Methods for Interface Bond Evaluations of Fiber-Reinforced Plastic/Wood Hybrid Composites
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Ultraviolet Stabilization of Adhesives
Thermal Stabilization of AdhesivesAdhesive Classes:
Protein Adhesives for Wood
Animal Glues and Adhesives
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Natural Rubber-Based Adhesives
Elastomeric Adhesives
Polysulfide Sealants and Adhesives
Phenolic Resin Adhesives
Natural Phenolic Adhesives I: Tannin
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Urea—Formaldehyde Adhesives
Melamine—Formaldehyde Adhesives
Isocyanate Wood Binders
Polyurethane Adhesives
Polyvinyl and Ethylene—Vinyl Acetates
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Reactive Acrylic Adhesives
Anaerobic Adhesives
Aerobic Acrylics: Increasing Quality and Productivity with Customization and Adhesive/Process Integration
Technology of Cyanoacrylate Adhesives for Industrial Assembly
Silicone Adhesives and Sealants
Epoxy Resin Adhesives
Pressure-Sensitive Adhesives
Electrically Conductive AdhesivesApplications of Adhesives:

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Adhesives in the Electronics Industry
Adhesives in the Wood Industry
Bioadhesives in Drug Delivery
Bonding Materials and Techniques in Dentistry
Adhesives in the Automotive Industry
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Reviews - Synopsis - Dust Jacket

The revised and expanded second edition of this comprehensive reference exceeds the ambition of its best-selling forerunner by re-examinig the mechanisms driving adhesion, categories of adhesives, techniques for bond formation and evaluation, and major industrial applications. Integrating modern technological innovations into adhesive preparation and application, this greatly expanded and updated edition comprises a total of 26 different adhesive groupings — including three new classes. Ten new chapters address molecular-level tailoring of formulations, the mechanical theory of adhesion, acid—base interactions, fracture mechanics methods for testing bond interfaces, polymer networking, polymer interactions in adhesives, and more. Highly recommended.From the Preface: “Bonding different materials together by means of a adhesive may appear to most people as a mundane occurrence. In reality a great deal of technology backs the apparently simple action of bonding. Thus, a complex and advanced technology, or series of technologies, has arisen to deal with adhesives and their applications in many fields...This book, containing bountiful information, should serve for veterans as a commentary on the current state of knowledge regarding adhesives, and as a Baedeker for those who wish to make their maiden voyage into the wonderful and technologically important area of adhesives...”Target Audience: Polymer chemists; surface chemists; adhesiv technologists; design, manufacturing, mechanical, and process engineers; and upper-level students in these disciplines.

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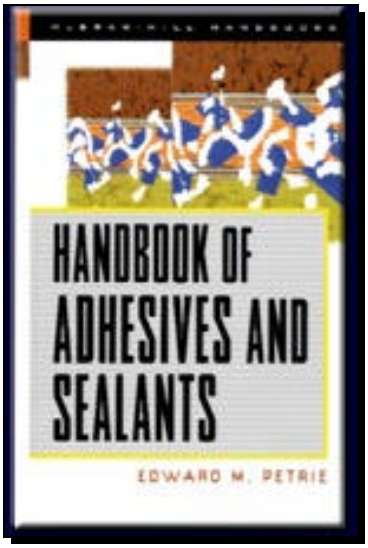
Title	Location	Edition / Series / Misc.

1400 **Handbook of Adhesives and Sealants**

Author: Edward M. Petrie
Publish.: McGraw-Hill
- place:
- date: 2000
Subject: Adhesives and Adhesion - Recommend this Site
Desc: 902 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 70498881
Shelf

Edition:
Series:
Year: 2000
Price: $81.50



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Methods of Joining Plastics Other than with Adhesives
Bonding and Sealing Specific Substrates
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Reviews - Synopsis - Dust Jacket

The user's approach to this important branch of technology. The book, which brings together information from chemistry, material and surface science, and solid mechanics, offers in-depth information previously only available in extremely technical volumes. It covers structural and non-structural applications, thoroughly exploring the use of polymeric adhesives and sealants for joining or bonding metals, plastics, composites, and elastomers.State-of-the-art information is presented on the theories and fundamentals of adhesion; joint design; adhesive and sealant selection; selection of manufacturing processes, equipment, and testing and quality control methods; expected end-use properties; efficient and economical surface treatments; and much more.From the Preface: "...There are a number of important handbooks, journals, and papers, on adhesives and sealants already in the literature. Many of these are important works, and they serve as a foundation for this Handbook...[which] will provide sufficient detail and a broad foundation to enable the practitioner to reliably design, select, and use adhesives or sealants. This Handbook will be a single, comprehensive source of recent information, historical experience, and guidance for any adhesive or sealant application. The Handbook will define the universe of adhesives and sealants from the perspective of the end-user, and in that way will provide a practical and useful source of information..."Target Audience: Design engineers, manufacturing technolog adhesives and sealants specialists, and all other professionals concerned with this multi-disciplinary field.

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Title	Location	Edition / Series / Misc.

1401 **Handbook of Adhesives and Sealants in Construction**

Author: Joseph S. Amstock
Publish.: McGraw-Hill
- place:
- date: 2001
Subject: Adhesives and Adhesion - Recommend this Site
Desc: 656 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 7001616
Shelf

Edition:
Series:
Year: 2001
Price: $71.50

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Concrete, Cements, Grouts, and Mortars
Butyl Sealants
Permapol Polymers
Neoprene, Hypalon, and Nitrile
Polysulfide and LP Polymers
Polyurethane (Urethane)
Silicones
New Polymeric Systems
Firestops and Flameproofing
Gaskets, Foamed and Solid Tapes
Formulary for Sealants and Adhesives
Specifications, Testing, and Quality Assurance
Joint Design, Joint Details, and Installation
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The
vast amount of information on this subject. It provides the newest
technical formulas and specific application examples, as well as equipment
and other handling and processing aspects for every chemical family of
construction adhesives and sealants in commercial use. From cost analysis
to performance characteristics, this guide shows the reader how to select
and use the right adhesives, caulks, and sealants for any structure.The book offers clear guidelines for designing jc
preparing
surfaces, and ensuring proper bonding conditions; describes revolutionary
new labor-saving, cost-cutting products which feature unprecedented
durability; shows how to keep water, dirt, and other contaminants from
damaging buildings; and much more. It is packed with practical examples,
and includes an extensive glossary and a list of trade, government, and
technical resources.From the Preface: "...It is the author's intention to treat the
complicated chemistry, manufacturing process, surface preparation, and
proper installation of joint adhesives under a variety of field
conditions, so the uninitiated will have an improved understanding on this
subject...This book contains a wealth of information about the performance
of a variety of generic materials. The author has organized the
information so it can be used systematically, leading the reader from the
source, to need, design, specific formulations, and finally,
installation..."Target Audience: Designers, architects, engineers, contractors, and
manufacturers of construction adhesives and sealants, as well as students

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of architecture and sealants technology.

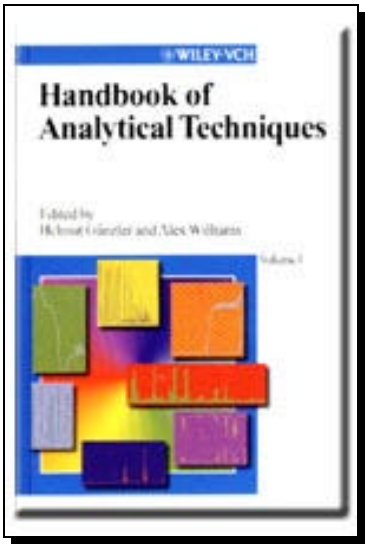
Title	Location	Edition / Series / Misc.

1437 **Handbook of Analytical Techniques, Vols. 1 & 2**

Author: Helmut Gunzler and Alex Williams, eds.
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: OA/QC. Statistics. and Testing - Polymer Characterization
Desc: 1198 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527301658
Shelf

Edition:
Series:
Year: 2001
Price: $418.50



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Basic Principles of Chromatography
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Reviews - Synopsis - Dust Jacket

This two-volume set serves as a concise, one-stop reference source for problem solving in all areas of analysis — food, water, wastewater, air, soil, biomolecules, pharmaceuticals, or for materials characterization. All relevant spectroscopic, chromatographic, and electrochemical techniques are described, including chemical and bio-chemical sensors; thermal analysis; and bioanalytical, nuclear, and radiochemical techniques. Special articles are devoted to general topics such as chemometrics, sampling, and sample preparation.From the Preface: "...Most of the information presented is a thoro updated version of that in the 5th edition of the 36-volume `Ullman's Encyclopedia of Industrial Chemistry', the last edition that is available in print format. Some chapters were completely rewritten...[T]here have been signifcant developments in analytical techniques since the last printed edition of the Encyclopedia was published...This is why all the information on analytical techniques has been revised and published in this convenient two-volume set..."Target Audience: Chemists; quality control and analytical laboratory personnel; materials scientists; chemical and environmental engineers; and

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other professionals concerned with analytical techniques.

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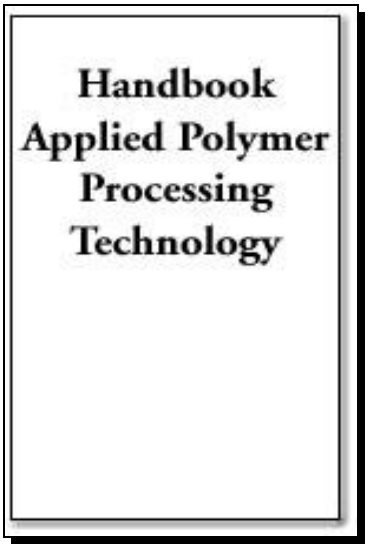
Title	Location	Edition / Series / Misc.

1547 **Handbook of Applied Polymer Processing Technology**

Author: Nicholas P. Cheremisinoff and Paul N. Cheremisinoff
Publish.: Marcel Dekker
- place:
- date: 1996
Subject: Plastics Processing Technology
Desc: 802 p., 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 0824796799
Shelf

Edition:
Series:
Year: 1996
Price: $213.50



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Relationship Between Melt Viscosity and Dielectric Relaxation Time for a Series of Epoxide Oligomers

Effect of Viscosity Ratio and Processing Conditions on the Morphology of Blends of Liquid Crystalline Polymer and Polypropylene

Influence of Powder Morphology on Paste Flow

Investigation of Polymer Latex Agglomeration

Relationships Among Rheology, Morphology, and Solid-State Properties in Thermotropic Liquid-Crystalline Polymer

Study on Taut Tie Molecules of Drawn and Radiated Crystalline Polymers

A Three-Dimensional Finite-Element Analysis of the Effect of Reynolds Number on Extrudate Swell of Newtonian Liquids from Dies

Rate of Swelling of Sodium Polyacrylate

Neural Network Relations Obtained from a Large Set of Data on Drawn Poly(ethylene Terephthalate)

Theory of Rubber Rheology

Rheological Behavior of Ternary Liquid-Crystalline Solutions of Hydroxypropyl Cellulose and Ethyl Cellulose in m-C

Elastomer Composites Reinforced with Randomly Dispersed Long Nonwoven Fibers

Effect of Filler on Rheologic and Thermodynamic Characteristics of Binary Polymeric Mixture Melts

Mixing Behavior During the Processing of Rubber by New Type Rotors in an Internal Mixer

Differences in Behavior Between Internal Mixers with Tangential Rotors and Intermeshing Rotors, as Influenced by t Molecular Structure of EPDM

The Dispersion of Carbon Black in Rubber

Twin Screw Extruders as Polymerization Reactors for a Free-Radical Homopolymerization

Extrusion Die Design with a Variable Choker Bar

Crystallization of Polymers: Polyethylene Terephthalate and Polyphenylene Sulfide

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Composites from Liquid Carboxyl-Terminated Rubber and Leather Buffing Dust

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This practical and detailed guide presents a wide range of technologies and furnishes extensive data on polymer components, properties, and processability. It evaluates various types of polymers; discusses equipment and anal methods; examines the relationship between polymer structure and processing properties; and more.

From the Preface: "...One cannot simply design a polymeric product with certain end-user performance criteria as targets without addressing the processing steps and characteristics of the polymer along with its active and filler compounding ingredients. This handbook has been prepared as an industry reference on applied and advanced techniques in polymer processing. It provides some fundamental discussion of rheological properties and concepts is largely written by experts attempting to develop more rigorous guidance in processability...The work represents efforts of a large group of international practitioners..."

Target Audience: Engineers, technologists, and students concerned with polymer processing technology.

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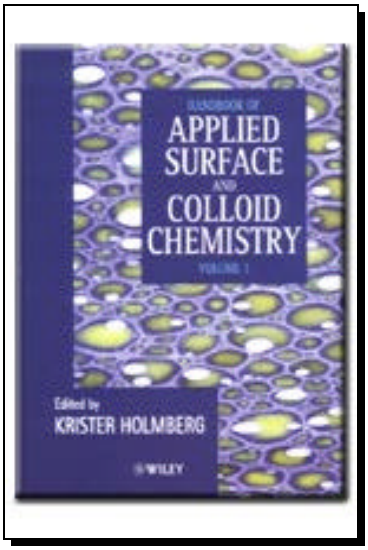
Title	Location	Edition / Series / Misc.

1419 **Handbook of Applied Surface and Colloid Chemistry, Vols. 1 and 2**

Author: Krister Holmberg, ed.
Publish.: John Wiley & Sons
- place:
- date: 2002
Subject: Colloids and Emulsions - Interfacial Engineering and Surface
Desc: 1110 p, 7.4 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 471490830
Shelf

Edition:
Series:
Year: 2002
Price: $665.00



Subjects

600 .	Interfacial Engineering and Surface Science
605 .	Solubility and Surfactants
621 .	Colloids and Emulsions

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Measuring Interactions between Surfaces
Measuring the Forces and Stability of Thin-Liquid Films
Measuring Adsorption

Reviews - Synopsis - Dust Jacket

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The two-volume
is the only handbook of its kind in this important field. Combining a
broad scope with a wealth of primarily practical information — much of
which is drawn from very recent sources — it treats the topic in a
thorough and comprehensive manner. The book includes the most important
applications, phenomena, and analysis techniques of wet surface chemistry.
Extensively referenced and well-organized; recommended.From the Preface: “This book is intended as a comprehensive reference
work on surface and colloid chemistry...When it comes to the important but
difficult issues of scope and limitations, there is one clear-cut
borderline. The ‘Handbook’ covers ‘wet’ but not ‘dry’ surface
chemistry...All 45 chapters can be regarded as overview articles. They all
cover the area in a broad way and in addition they often give in-depth
information on specific sub-areas which the author has considered
particularly important...”Target Audience: Scientists, researchers, technologists, and
upper-level students who need a comprehensive handbook supportive of
colloid and surfactant research, development, and manufacture.

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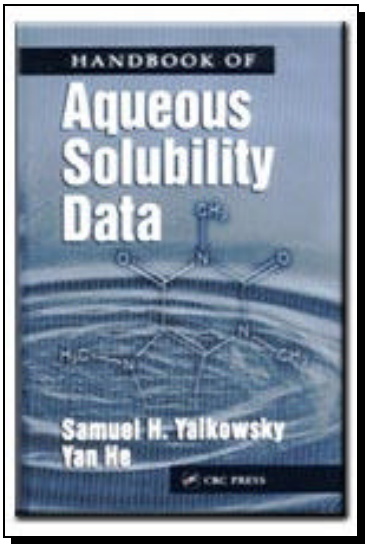
Title	Location	Edition / Series / Misc.

1523 **Handbook of Aqueous Solubility Data**

Author: Samuel H. Yalkowsky and Yan He
Publish.: CRC Press
- place:
- date: 2003
Subject: Solubility and Surfactants - Recommend this Site
Desc: 1512 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849315328
Shelf

Edition:
Series:
Year: 2003
Price: $268.50



Subjects

605 .	Solubility and Surfactants
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Reviews - Synopsis - Dust Jacket

This handbook presents over 16,000 solubility data points for more than 4,000 organic compounds, providing an extensive compilation of published aqueous solubility data for a wide variety of organic nonelectrolytes and unionized weak electrolytes. Prior to its publication, this data was scattered throughout the academic literature. The book includes data for pharmaceuticals, pollutants, nutrients, herbicides, pesticides, agricultural and industrial compounds, and more. Each entry includes a five-point evaluation reflecting the quality of the reporting of temperature, solute purity, equilibration time/agitation, analysis, and accuracy and/or precision.From the Introduction: "...Each compound is identified by a sequential number along with molecular formula, compound name, synonyms, molecular weight, Chemical Abstracts Service Registry Number, melting point, and boiling point if available. For user convenience, all solubility data are converted to moles per liter and grams per liter. Also, reported numerical temperature values are converted to Celsius..."Target Audience: Any scientist or technologist in need of an authoritative, user-friendly collection of aqueous solubility data.

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Title	Location	Edition / Series / Misc.

1409 **Handbook of Chemical Health and Safety**

Author: Robert J. Alaimo, ed.
Publish.: American Chemical Society
- place:
- date: 2001
Subject: Health. Safety. and the Environment - General Reference
Desc: 672 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 841236704
Shelf

Edition:
Series:
Year: 2001
Price: $53.50

Subjects

604 .	General Reference
623 .	Health, Safety, and the Environment

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Reviews - Synopsis - Dust Jacket

This handbook provides the tools necessary to create and maintain a safe work environment. It provides a starting point for any chemical safety study, from providing information on proper chemical and equipment handling to guidance on purchasing, storage, use and disposal. The safe use of specialized equipment is outlined, and answers to both simple and complex questions related to workplace and environmental laws and regulations will help keep you in compliance. Each of the 86 entires contains its own bibliographical references for further study.
Recommended.From the Preface: “This Handbook was planned to be the most complete and comprehensive resource in the field of chemical health and safety. It will be the single most useful text on issues related to chemical safety...In addition to the traditional topics covered in a chemical safety text, the Handbook includes industrial hygiene issues, radiation safety practices, safe laboratory and facility design criteria, biosafety issues, ergonomics, and much more...”Target Audience: All professionals responsible for managing chemical health and safety.Brief Table of Contents:Safety Management and Policy
Risk Management
Emergency Management
Laboratory Equipment
Chemical Management
Radiological and Biological Safety
Laboratory Design
Environmental Management
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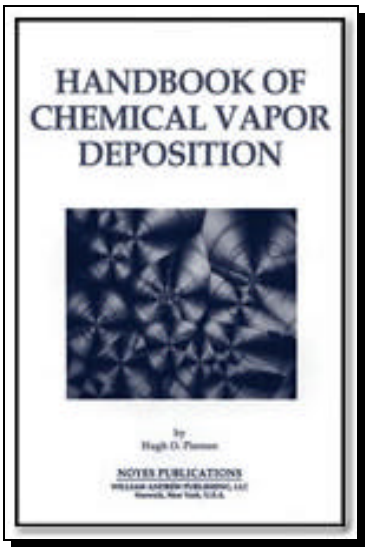
Title	Location	Edition / Series / Misc.

1208 **Handbook of Chemical Vapor Deposition: Principles, Technology and Applications, 2nd Ed.**

Author: Hugh O. Pierson
Publish.: Noyes Publications
- place:
- date: 1999
Subject: Materials Science - Composites, Laminates, and Fibers - Inks and
Desc: 436 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514328
Shelf

Edition:
Series:
Year: 1999
Price: $98.50



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Reviews - Synopsis - Dust Jacket

Chemical vapor deposition technology has advanced at a rapid rate, and the number and scope of its applications and their impact on the market have increased significantly. The process is now a key factor in many industries — in fact, the size of the CVD market had more than doubled in the seven years since the original edition of the Vapor DepositionThis revised and expanded edition examines chemical vapor deposition (CVD), an extremely versatile process for manufacturing coatings, fibers, powders, and monolithic components. It discusses fundamentals, chemistry, processes and equipment, addressing a wide variety of applications. There is a wealth of new material on plasma CVD and metallo-organic CVD (MOCVD), as well as applications in the semiconductor industry. The second edition also reviews in depth the recent expansion of the number of materials produced by CVD, including copper, tungsten, diamond, silicon carbide, silicon nitride, titanium nitride, and others.From the Preface: "...The reasons for the success of CVD are simple. CVD is a relatively uncomplicated and flexible technology which can addomodate many variations. With CVD, it is possible to coat almost any shape of almost any size. Unlike other thin film techniques such as sputtering CVD can also be used to produce fibers, monoliths, foams and powders. CVD is economically competitive..."Target Audience: Engineers, researchers, students, and technologist the semiconductor, optoelectronic, optics, cutting tool, refractory fibers, and other industries.

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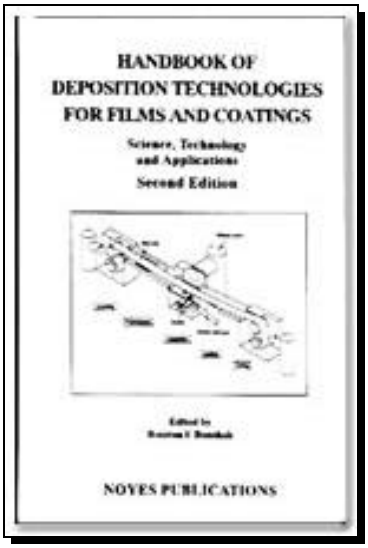
Title	Location	Edition / Series / Misc.

1207 **Handbook of Deposition Technologies for Films and Coatings: Science, Technology and App**

Author: Rointan F. Bunshah, ed.
Publish.: Noyes Publications
- place:
- date: 1994
Subject: Coating Processes - Inks and Coatings - Materials Science -
Desc: 888 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815513372
Shelf

Edition:
Series:
Year: 1994
Price: $128.50



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Reviews - Synopsis - Dust Jacket

This handbook covers a wide range of deposition process technologies, including plasma deposition; surface preparation; evaporation; sputter deposition; ion plating; chemical vapor deposition (CVD); plasma-enhanced CVD; plasma-assisted vapor deposition; deposition from aqueous solutions; advanced thermal spray deposition; metallurgical coating applications; nucleation, film growth, and microstructural evolution; characterization of thin films and coatings; and more.From the Preface: "...Applicatons of films and coatings span the entire gamut of science and technology. Generic application areas include electronic, magnetic, optical, mechanical, chemical, and decorative applications. New deposition technologies such as arc evaporation, unbalanced magnetron sputtering, ion beam assisted deposition, and metal—organic CVD have come on stream for critical applications...The core subjects are the basic technologies for the deposition of films and coatings...We hope that this volume will be useful to the multitude of desciplines represented by the workers in this field and provide a source for future developments."Target Audience: Researchers and technologists in industry and academia who are concerned with deposition technologies for films and coatings.

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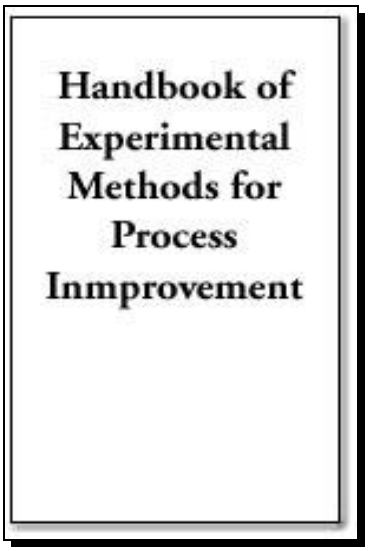
Title	Location	Edition / Series / Misc.

1140 **Handbook of Experimental Methods for Process Improvement**

Author: David C. Drain
Publish.: Chapman & Hall
- place:
- date: 1997
Subject: Experimental Design and Analysis - Converting Technology - Paper
Desc: 448 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 412127016
Shelf

Edition:
Series:
Year: 1997
Price: $71.50



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Reviews - Synopsis - Dust Jacket

This clear, well-organized handbook demonstrates the application of advanced statistical and experimental methods to industrial and manufacturing processes. It presents specific reasons for experimentation, and lays a foundation for effective planning and execution of experiments. Throughout, concepts are developed in the context of examples from industry, and the use of software is made readily accessible to promote a better understanding through graphical and statistical analysis.From the Preface: "...Statistical principles are illustrat with
authentic manufacturing process examples from the semiconductor industry, a practice that enables experienced engineers to build upon existing knowledge to learn new skills, and which introduces students to a fascinating industry...This text emphasizes the application of statistical tools, rather than statistical theory. Modern advances in statistical software have made tedious computations and formula memorization unnecessary, so engineers with knowledge of a few statistical tools can competently practice statistics within the context of their profession..." Target Audience: Indispensible for process, design, mechanical, and quality engineers working in the process industries; also a valuable resource for upper-level students in industrial engineering.

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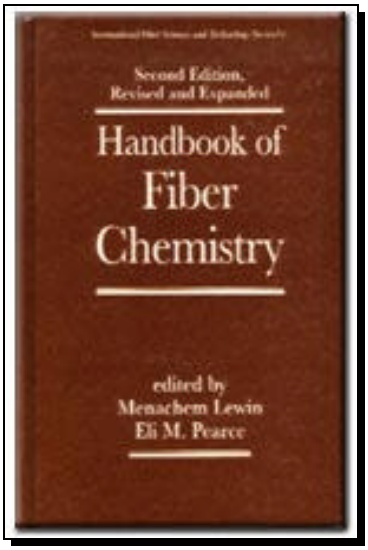
Title	Location	Edition / Series / Misc.

1094 **Handbook of Fiber Chemistry, 2nd Ed.**

Author: Menachem Lewin and Eli M. Pearce, eds.
Publish.: Marcel Dekker
- place:
- date: 1998
Subject: Composites, Laminates, and Fibers - Materials Science - Textiles a
Desc: 1105 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824794710
Shelf

Edition:
Series:
Year: 1998
Price: $235.00



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Reviews - Synopsis - Dust Jacket

The second edition of this standard reference offers comprehensive coverage of the most important natural and synthetic fibers used in consumer goods, agriculture, industry, medicine, and engineering. It shows how to define and assess the individual properties of fibers, yarns, and fabrics; discusses the role of man-made fibers in fiber spinning technology; presents the design of monomeric polymer units and polymerization technology; and more.From the Preface: "...Fiber science still cannot be considered a mature science. New fibers are being developed for specific applications — these are discussed in the four volumes on high technology fibers of this Handbook — testifying to the vitality of the field. Their development is, however, based on the scientific and technological principles learned from the conventional fibers described in this volume. The definitions, morphology and fine structure, properties, testing, processing methods, and equipment, as well as the conversions into marketable products, are similar..."Target Audience: A wide range of scientists, technologists, and engineers in chemistry, physics, medicine, agriculture, materials, textiles, and polymers; also upper level undergraduate and graduate level stedents in these fields.

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Handbook of Fiber Finish Technology

Title	Location	Edition / Series / Misc.
1074 **Handbook of Fiber Finish Technology**		*Edition:*
Author: Philip E. Slade	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824700481	
- date: 1998	*Shelf*	*Year:* 1998
Subject: Composites, Laminates, and Fibers - Additives - Textiles and		*Price:* $163.50
Desc: 534 p, 6 x 9 Hardcover		

Subjects

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Reviews - Synopsis - Dust Jacket

This practical handbook merges data from different fiber and fabric manufacturers into a single, convenient volume. It offers details on hundreds of textile finish components, including their structural formulae, physical properties, CAS numbers, and effects on various fibers. The testing; wetting effects; soil- and stain-resistance; fiber lubricants; the degradation of chemicals in the environment, including methods for predicting waste degeneration; and more.From the Preface: "...A majority of textile products contain natural fibers that nature has supplied with their own lubricant coating to aid in further processing. Man-made fibers, however, must be treated during spinning with a formulation of various chemical substances to coat these fibers for assistance in end-use manufacturing. The purpose of this book is to provide the reader with information about the components in these finishes, their chemical and physical properties, and their effects on fibers and yarn..."Target Audience: Polymer, fiber, and textile chemists, scientists, and engineers; physical, surface, and colloid chemists; textile and fiber manufacturers; and upper-level students of these disciplines.

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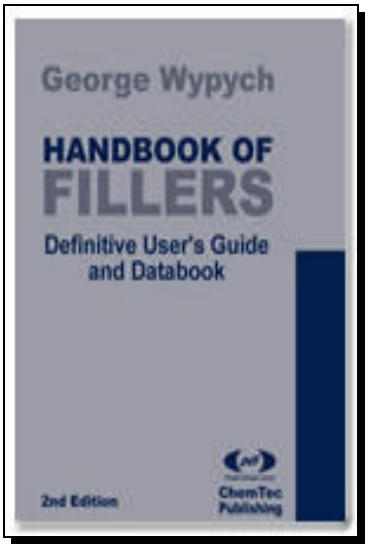
Title	Location	Edition / Series / Misc.

1131 **Handbook of Fillers, 2nd Ed.**

Author: George Wypych
Publish.: ChemTec Publishing
- place:
- date: 1999
Subject: Additives - Health. Safety. and the Environment
Desc: 910 p, 6.5 x 9.3 Hardcover

Dynix:
Call No.:
ISBN: 1884207693
Shelf

Edition:
Series:
Year: 1999
Price: $205.00



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The Effect of Fillers on Rheological Properties of Filled Materials
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This expanded edition explores the relationship between the properties intended for a final product and the characteristics of the filler(s) employed to achieve the desired effect. It describes the physical properties, chemical structures, and production methods used to create various fillers; it discusses dispersion, morphology, and system rheology; and outlines the effects of fillers on the properties of filled materials. Handbook of Fillers, 2nd Ed.
solids used to alter the physical and chemical properties of materials. Stimulated by the fact that materials can be improved almost beyond recognition by new grades of fillers, this volume presents the information needed to market, develop, select, manufacture, and apply these versatile materials. Extensive technical and commercial data from leading manufacturers is included.From the Preface: "...Where fillers used to be thought of as a means to lower cost of a plastic part they now contribute to the unique properties that sophisticated users demand. In fact, many fillers now cost more than the polymers that they are added to. But such additions make economic sense because of the value that the filler brings to the formulation. In this book we...have examined the current technical literature in detail and it is clear that there is almost unlimited future potential to save time, money, and energy while developing new products with unparalleled performance...We have attempted to structure the book to make it useful both as a textbook and as a series of monographs..."Target Audience: Chemical, process, and quality engineers; chemists and formulators; and other readers involved in or studying manufacturing

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categories such as paint, coatings, plastics, pharmaceuticals, and cosmetics.

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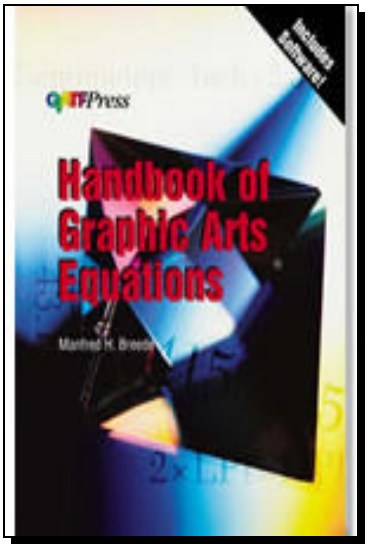
Title	Location	Edition / Series / Misc.
1197 **Handbook of Graphic Arts Equations**		*Edition:*
Author: Manfred H. Breede	*Dynix:*	*Series:*
Publish.: GATF	*Call No.:*	
- place:	*ISBN:* 883622467	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Printing Technology - General Reference		*Price:* $41.50
Desc: 248 p, 7.5 x 10 Paperback with CD-ROM		



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Reviews - Synopsis - Dust Jacket

This comprehensive guide provides all the essential equations used in the graphic communications industry to calculate the fundamental principles of paper, print, type, and prepress. Accompanied by a CD-ROM containing software that facilitates calculations, this handy collection of formulas integrates theory and practice — over 100 equations are presented, along with the theories underlying them, and concrete, real-world illustrations of their use.From the Preface: "...This book is ostensibly about the mathematical calculations performed in all sectors of the graphic communications industry. The larger purpose of the book is to advance the message that this industry is still mainly about producing products by putting ink on paper...Maximum quality and efficiency are achievable when new technology, such as described previously, is embraced and when using procedures that are based on mathematically definable objectives."Target Audience: Ideal for the novice as a guidebook and learnir tool; also perfect for seasoned professionals who simply need a concise reference.Brief Table of Contents:Paper
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Prepress
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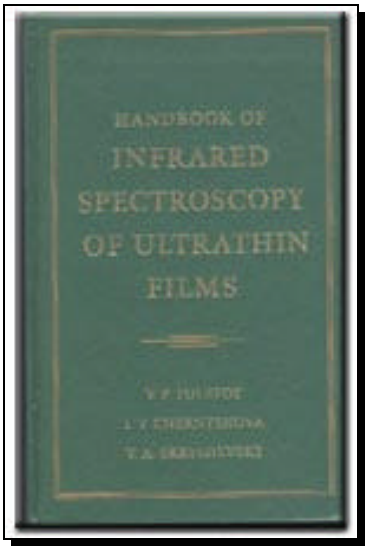
Title	Location	Edition / Series / Misc.

1358 **Handbook of IR Spectroscopy of Ultrathin Films**

Author:
Publish.: Wiley - Interscience
- place:
- date: 2003
Subject: Surface Characterization and Analysis - Interfacial Engineering and
Desc: 736 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 47135404
Shelf

Edition:
Series:
Year: 2003
Price: $133.50



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609 .	Materials Science

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Advances in spectrometer design and computer processing technology have made it possible to use IR spectrometry to characterize very thin films at extended interfaces. The
Films
optimum conditions for recording spectra and their interpretation), equipment and techniques, up-to-date theory, and considerable reference data. It contains the information needed to apply IR spectroscopy to the analysis and evaluation of thin and ultrathin films on flat and rough surfaces and on powders at solid—gaseous, solid—liquid, liquid—gaseous, liquid—liquid, and solid—solid interfaces.From the Preface: “In this book, we will designate ultrathin films, or, as they are also called in the literature, nanolayers, to mean layers ranging from submonolayers to several monolayers; these may be formed from a wide range of organic and inorganic substances or present adsorbed atoms, molecules, biological species, on a substrate or at the interface of two media. These films play an important role in many current areas of research in science and technology, such as submicroelectronics, optoelectronics, optics, bioscience, flotation, materials science of catalysts, sorbents, pigments, protective and passivating coatings, and sensors...”Target Audience: Spectroscopists and other researchers and technologists studying ultrathin films at surfaces and interfaces, as well as upper-level students of optics, spectroscopy, semiconductor technology, and related disciplines.

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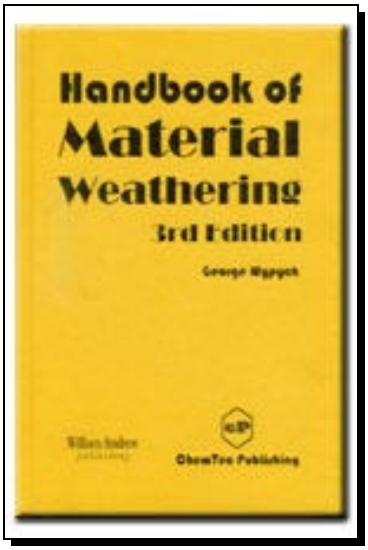
Title	Location	Edition / Series / Misc.

1117 **Handbook of Material Weathering, 3rd Ed.**

Author: George Wypych
Publish.: ChemTec Publishing
- place:
- date: 2003
Subject: Wear, Weathering, and Tribology - Materials Science - QA/QC.
Desc: 756 p, 6.4 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 815514786
Shelf

Edition:
Series:
Year: 2003
Price: $205.00



Subjects

607 .	QA/QC, Statistics, and Testing
609 .	Materials Science
614 .	Wear, Weathering, and Tribology

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Reviews - Synopsis - Dust Jacket

The third edition of this handbook includes advances in knowledge that have taken place in the last seven years. The new data and the information are integrated with information in previous editions to form a consistent, up-to-date analysis of the most important findings. In many instances, new findings make previous understanding obsolete.The effects, principles, and practices involved in the field of material weathering. It discusses the fundamentals of weathering, biodegradation, stabilization, and test methods and evaluations. In addition to the causes and effects of weathering, effective countermeasures are discussed. The chapter describing the effects of weathering on specific polymers includes especially extensive data.From the Preface: "...Since the publicatoin of the second edition, weathering investigations have been advanced by a more rational use of available technology, the application of more sophisticated analytical techniques and more comprehensive methods of data comparison and interpretation. More useful information has been published and over two thousand new publications have been referenced in this, the third, edition. This is more than were available for the first and second editions combined..."Target Audience: Designers, manufacturers, test lab personnel, materials engineers, failure and forensic specialists, and others who require an understanding of the effects of weather on materials and products.

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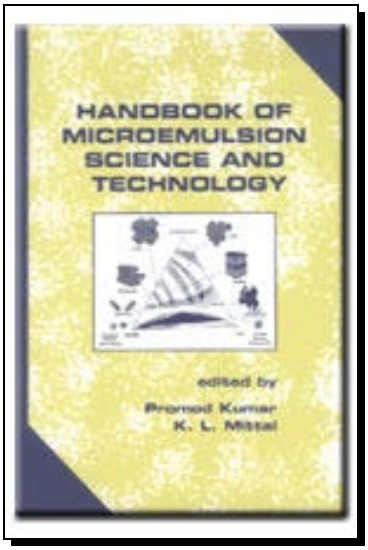
Title	Location	Edition / Series / Misc.

1229 **Handbook of Microemulsion Science and Technology**

Author: Promod Kumar and K.L. Mittal, eds.
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: Colloids and Emulsions - Polymer Characterization - Solubility and
Desc: 860 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824719794
Shelf

Edition:
Series:
Year: 1999
Price: $188.50



Subjects

605 .	Solubility and Surfactants
613 .	Polymer Characterization
621 .	Colloids and Emulsions

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Application of Microemulsions as Liquid Membranes
Application of Microemulsions in Textile Cleaning Using Model Detergency TestsFuture Prospects:
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Reviews - Synopsis - Dust Jacket

This handbook probes theoretical and practical issues surrounding microemulsion. It reviews the performance of — and prospects for — methods such as X-ray diffraction, transmission electron microscopy (TEM), light scattering, small-angle neutron scattering, viscosimetry, and nuclear magnetic resonance (NMR) to characterize various aspects of the dispersed phase of microemulsions. The
Technology
paints, wax dispersions, cosmetics, food products, and other industrial applications which use microemulsions.From the Preface: “Microemulsions are thermodynamically stable isotropic dispersions of oil and water containing domains of nanometer dimensions stabilized by the interfacial film of surface active agent(s).
The word `microemulsion' was originally proposed by Jack H. Schulman and

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coworkers in 1959 (although the first paper appeared on this subject back in 1943), who observed that on addition of short chain alcohol to a coarse macroemulsion...the system became transparent...The literature on microemulsions is quite extensive and is spread over many journals, book chapters, and monographs...This book was conceived with the idea of providing a panoramic view of the wonderful world of microemulsions, covering both the fundamental and applied aspects..."Target Audience: Physical, surface, and colloid chemists; co scientists and technologists; food and pharmaceutical technologists; chemical engineers; and upper-level students in these disciplines.

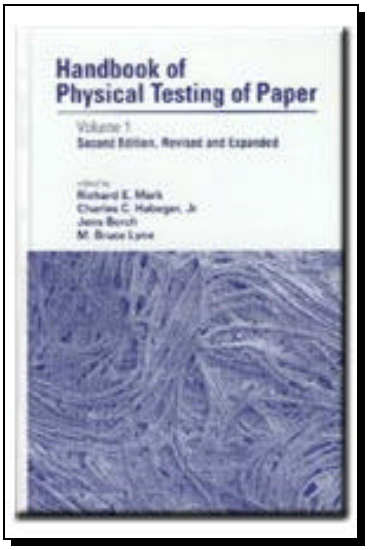
Title	Location	Edition / Series / Misc.

1318 **Handbook of Physical Testing of Paper, 2nd Ed., Vol 1**

Author:
Publish.: Marcel Dekker
- place:
- date: 2001
Subject: Paper and Paperboard - Composites, Laminates, and Fibers - QA/C
Desc: 1040 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824704983
Shelf

Edition:
Series:
Year: 2001
Price: $165.00



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Structure and Structural AnisotropyNote:
href="http://www.polysurfacesbookstore.com/pages/3544.html">Handbook of
Physical Testing of Paper, Volume 2, 2nd Ed.
to title.

Subjects

607 .	QA/QC, Statistics, and Testing
615 .	Paper and Paperboard
625 .	Composites, Laminates, and Fibers

Reviews - Synopsis - Dust Jacket

This first volume of the
contains basic principles and the latest methods in paper and paperboard
testing, fostering an understanding of theory and mechanical testing
parameters to evaluate results and make improvements, emphasizing new
procedures utilizing advanced microscopy equipment.It covers the measurement of viscoelastic behavior for the
characterization of time-, temperature-, and humidity-dependent
properties, failure phenomena, bending stiffness, edgewise compression
strength, tissue and corrugated board, mechanical properties of fibers,
and more. This edition of the two volume set contains 30 chapters, one
third of which are entirely new. The other 20 chapters have all undergone
extensive revision and expansion.From the Preface: “We have tried to assemble here as many of the modern
aspects of properties testing in the paper and paperboard field as
possible. One of our objectives is to enable those concerned with
planning, specifying, and evaluating the physical and mechanical testing
of these materials to take advantage of the many advances and improvements
that have taken place in recent years. We also feel that it is important
and useful to codify the excellent pioneering work that has provided the
essential base for these advances, which has been included to the maximum
extent possible...”Target Audience: Paper scientists, engineers, quality assurance
practitioners, and technologists; paper and surface physicists; materials,
fiber, environmental, forestry, chemical, and applied scientists and
engineers; and upper-level undergraduate and graduate students in these
disciplines.

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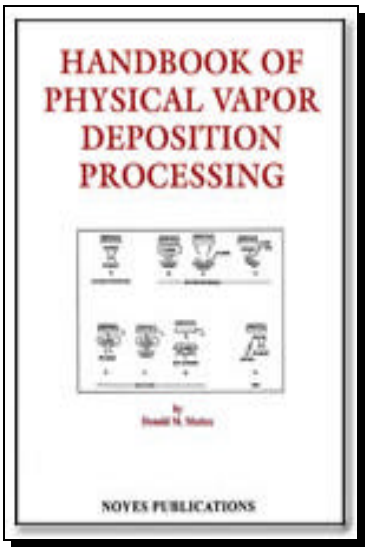
Title	Location	Edition / Series / Misc.

1209 **Handbook of Physical Vapor Deposition (PVD) Processing: Film Formation, Adhesion, Surfac**

Author: Donald H. Mattox
Publish.: Noyes Publications
- place:
- date: 1998
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating
Desc: 948 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514220
Shelf

Edition:
Series:
Year: 1998
Price: $143.50



Subjects

235 .	Coating processes
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Ion Plating and Ion Beam Assisted Deposition
Atomistic Film Growth and Some Growth-Related Film Properties
Film Characterization and Some Basic Film Properties
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Appendix 1: Reference Material
Appendix 2: Transfer of Technology from R & D to Manufacturing
Glossary of Terms and Acronyms Used in Surface Engineering
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Reviews - Synopsis - Dust Jacket

This book covers all aspects of physical vapor deposition (PVD) process technology, from the characterization and preparation of the substrate through deposition processing and film characterization, to post-deposition processing. The emphasis is on the aspects of the process flow that are critical to economical deposition of films that can meet the required performance specifications.The covers vacuum technology, the fundamentals of individual deposition processes, adhesion, cleaning, and other topics. The comprehensive glossary of terms used in surface engineering will prove valuable to students, workers new to the field, and readers not fully conversant in English.From the Preface: “The motivation for writing this book was that there was no single source of information which covers all aspects of Physical Vapor Deposition (PVD) processing in a comprehensive manner. The properties of thin films deposited by PVD processes depend on a number of factors, and each must be considered when developing a reproducible process and obtaining a high product throughput and yield from the production line...”Target Audience: All researchers, technologists, and students who are concerned with physical vapor deposition processing.

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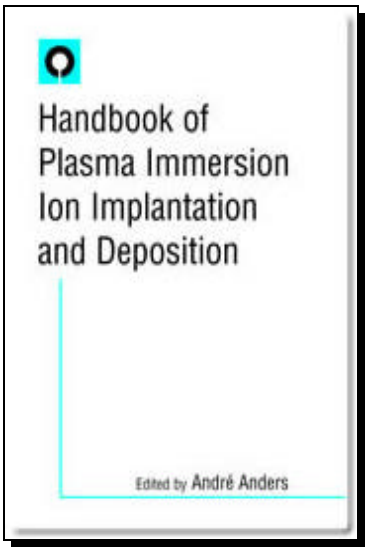
Title	Location	Edition / Series / Misc.

1293 **Handbook of Plasma Immersion Ion Implantation and Deposition**

Author: Andre Anders, ed.
Publish.: John Wiley & Sons
- place:
- date: 2000
Subject: Materials Science - Interfacial Engineering and Surface Science -
Desc: 760 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471246980
Shelf

Edition:
Series:
Year: 2000
Price: $156.50



Subjects

600 .	Interfacial Engineering and Surface Science
602 .	Polymer Surface Modification
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

Handbook of Plasma Immersion Ion Implantation and Deposition
the first book to describe this family of plasma techniques (PIII&D). This process utilizes negative high-voltage pulses to form a conformal electric sheath between the substrate and the plasma. Ions within the sheath are accelerated by the sheath's electrical field, and are implanted into the substrate on impact. Along with other advantages, this circumvents the line-of-sight restriction inherent in conventional ion implantation.From the Preface: "...The early PIII work used gaseous plasmas such as nitrogen plasmas. By extending PIII to condensable (metal or organometallic) plasmas and vapors, the field was expanded from pure ion implantation to thin-film deposition. As a consequence, the letter
D
PIII&D...PIII&D in its various forms has [now] become a mature technology with first applications of industrial size. The time has come to consolidate [our knowledge] in a single monograph dedicated to this field..."Target Audience: Academic and industrial scientists, engineers, and researchers interested in investigating or utilizing the capabilities of PIII&D.

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Title	Location	Edition / Series / Misc.

1520 **Handbook of Plastic Films**

Author: Elsayed M. Abdel-Bary, ed.
Publish.: Rapra
- place:
- date: 2003
Subject: Plastic Films - Recommend this Site
Desc: 416 p, 7.3 x 10 Paperback

Dynix:
Call No.:
ISBN: 185957338
Shelf

Edition:
Series:
Year: 2003
Price: $166.50

Subjects

301 .	Plastic films
715 .	Recommend this Site

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Applications of Plastic Films in Agriculture
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Reviews - Synopsis - Dust Jacket

Plastic films are high-performance materials which play an essential role in modern life. Plastic films are most commonly used in packaging applications, but they are also widely used in the agricultural, medical and engineering fields. In addition to covering these end uses, the Handbook of Plastic Films additive solubility, modification of films, flame retardants, testing, and recycling.From the Preface: “The plastic industry continues to grow very rapidly and plays an important role in many fields such as engineering, medical, agriculture, and domestic...The understanding of the nature of plastic films, their production techniques, applications and their characterisation is essential for producing new types of plastic films. This handbook has been written to discuss the production and main uses of plastic films...”Target Audience: Engineers, research and development personnel, product managers, and other professionals concerned with the manufacture and uses of plastic films.

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Title	Location	Edition / Series / Misc.

1514 **Handbook of Plastics Analysis**

Author: Hubert Lobo and Jose V. Bonilla, eds.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Polymer Characterization - QA/QC. Statistics. and Testing
Desc: 656 p. 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824707087
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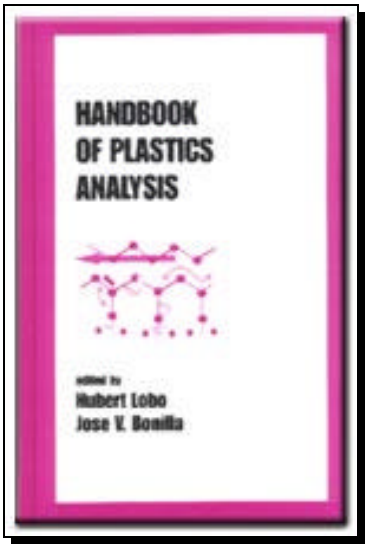
Edition:
Series:
Year: 2003
Price: $168.50



Subjects

607 .	QA/QC, Statistics, and Testing
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

This handbook is intended to serve as the definitive desktop companion for anyone engaged in the testing and analysis of plastics or in the use of properties developed from polymer analysis. It describes the latest analytical developments, technologies and equipment used to characterize and examine plastic and composite materials, highlighting the most popular tools employed by industry to assess polymer behavior, structure, and composition.The descriptions of analytical strategies; numerous case studies to clarify analytical techniques and instrumentation methods; practical solutions to dilemmas encountered in materials research and manufacturing; and much more.From the Preface: “Plastics are one of the enabling technologies of the 20th century. They are among the most complex engineering materials being used in the world today, with amazing properties that have revolutionized the way in which products are manufactured...In [every application], it has been crucially important to understand their behavior through various parts of their product life, from manufacture to utilization and eventually their reclaim or disposal. The tools and techniques used to develop this understanding are referred to as plastics analysis...In order to maintain a practical focus, the book concentrates on an approach that is more phenomenological than theoretical. While not going into detailed derivations, the book sets forth the basic governing equations where necessary to provide a good theoretical understanding of the techniques...”Target Audience: Polymer and materials scientists; plastics, chemical, and polymer engineers; experimental, physical, and polymer chemists; polymer, materials, experimental, and chemical physicists; and upper-level students in these disciplines.

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Title	Location	Edition / Series / Misc.

1032 **Handbook of Plastics Joining: A Practical Guide**

Author: Plastics Design Library Staff
Publish.: Plastics Design Library
- place:
- date: 1997
Subject: Materials Science - Adhesives and Adhesion - Interfacial Engineerin
Desc: 485 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 1884207170
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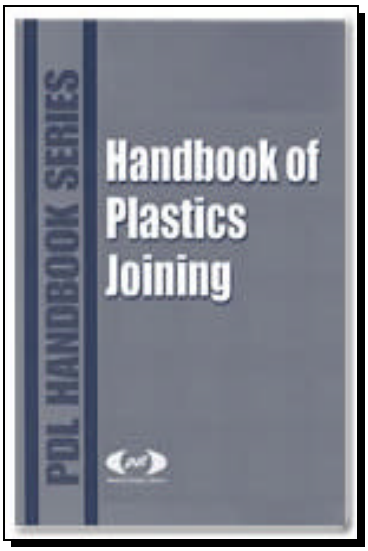
Edition:
Series:
Year: 1997
Price: $205.00



Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
609 .	Materials Science

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Resistance Welding
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Electrofusion Welding
Infrared Welding
Laser Welding
Mechanical Fastening
Chemical Bonding — Adhesive and Solvent BondingPlastic Materials:
Thermoplastics (Including Acetal, Acrylic, Styrenic, and Vinyl Resins; Fluoroplastics, Polyamide, Polycarbonate, Polyester, Polyimide, Polyolefin, Polysulfone, Polyurethane, and More)
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Reviews - Synopsis - Dust Jacket

This hands-on guide to choosing and using old and new technologies for joining plastics and elastomers includes detailed discussions of over 25 techniques used to join plastics to themselves or to other dissimilar materials. Advantages and disadvantages of each technique with detailed discussions of applications are presented. A second section is organized by material; it provides details on the use of different processes on over 50 generic families of plastics, explaining how different methods and operating parameters affect weld strength and other criteria.From the Introduction: "...This volume serves to turn the amount of disparate information [on plastics joining] from wide ranging sources (i.e., conference proceedings, materials suppliers, test laboratories, monographs, and trade and technical journals) into useful engineering knowledge...In order to make the product most useful to users, Plastics Design Library arranges information to be easily accessible in consistent formats. Flexibility and ease of use were carefully considered in designing the layout of this book..."Target Audience: This reference is valuable to novices and experts alike who need to determine the best joining techniques for plastics applications.

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Title	Location	Edition / Series / Misc.

1137 **Handbook of Plastics Testing Technology, 2nd Ed.**

Author: Vishu Shah
Publish.: Wiley - Interscience
- place:
- date: 1998
Subject: Experimental Design and Analysis - Plastics Processing Technolog
Desc: 368 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471182028
Shelf

Edition:
Series:
Year: 1998
Price: $105.00

Subjects

613 .	Polymer Characterization
627 .	Experimental Design and Analysis
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

Sponsored by the Society of Plastics Engineers, this updated and expanded edition provides easily accessible, practical information on all aspects of plastics testing, including material characterization tests, identification analysis, failure analysis, quality control, liability testing, and more. It contains some 35% new material, including new chapters on electrical properties, weathering, and uniform global testing standards.Following a concise introduction to basic concepts, the Plastics Testing Technology, 2nd Ed.
discussions of the full gamut of testing issues. Rather than simply describing test procedures, the author clearly explains the broader significance of each test and the results it yields for engineers and materials scientists working in industry today. There is a generous amount of information on professional and testing organizations, equipment manufacturers, trade publications, independent testing laboratories, and plastics specifications.From the Preface: “Since the publication of the first edition, little has changed as far as the basic concepts and methods of plastics testing. What has changed is the manner in which the data is collected and analyzed. Since the advent of computers and digital instruments, data collection and subsequent analysis and interpretation have become much simpler and faster. This revised edition attempts to update the book in line with the latest developments in the field of testing, data acquisition, and analysis...”Target Audience: Ideal for newcomers to plastics testing; also a valuable working resource for more seasoned professionals involved with manufacturing, testing, studying, or developing plastics.

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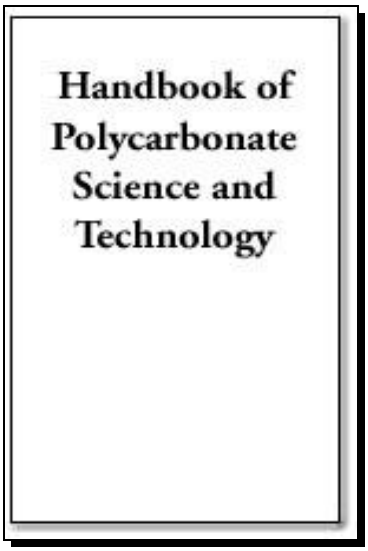
Title	Location	Edition / Series / Misc.

1259 **Handbook of Polycarbonate Science and Technology**

Author: Donald G. LeGrand and John T. Bendler, eds.
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Polymer Science - Materials Science - Plastics Processing
Desc: 370 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824799151
Shelf

Edition:
Series:
Year: 2000
Price: $133.50



Subjects

609 .	Materials Science
610 .	Polymer Science
628 .	Plastics Processing Technology

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Optical Properties of Polycarbonates
PVT, Specific Heat, and Thermal Transitions
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Large Deformation Response of Polycarbonate: Time—Temperature and Time—Aging Time Superposition
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Reviews - Synopsis - Dust Jacket

This all-encompassing reference summarizes research and progress in understanding the fundamental molecular properties of polycarbonates by covering history, theory, modeling, and spectroscopy — it offers the first comprehensive survey of polycarbonates in over 30 years.The new applications, formulations, and fabrication methods for polycarbonates in transportation, electronics, and appliance manufacturing; spotlights recent discoveries and patents including Lexan polycarbonate film products and Thermoclear sheets; presents novel experimental, theoretical, and modeling techniques used to evaluate polycarbonate properties; describes NMR studies that help explain molecular motions; focuses on mechanical, optical, thermal, and rheological properties of glassy polymers; considers physical and chemical aging and degradation, including crystallization; and more.From the Preface: "...[C]onsiderable research on almost every aspect of polycarbonates had been carried out and a large number of patents had been issued. As a result, the need became apparent for a book that addresses and summarizes both the methods of syntheses and the physical properties of polycarbonate resins, and that also illustrates current methods of fabrication and significant applications...The scope of [this] book has been limited by a desire to cover in detail the topics that are best understood, and that would likely be useful in future studies of properties and applications of polycarbonates..."Target Audience: Polymer, plastics, physical, organic, surface, an colloid chemists; plastics, chemical, materials, mechanical, and manufacturing engineers; and upper-level undergraduate and graduate students in these disciplines.

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Handbook of Polyethylene: Structures, Properties, and Applications

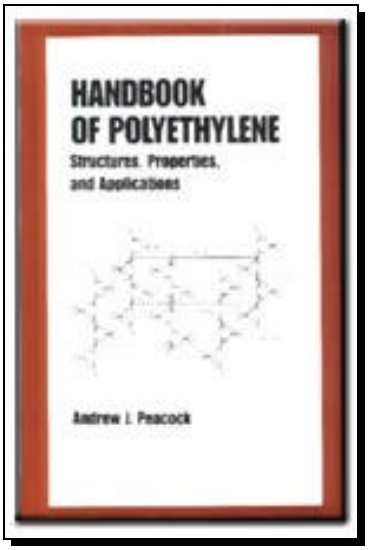
Title	Location	Edition / Series / Misc.

1260 **Handbook of Polyethylene: Structures, Properties, and Applications**

Author: Andrew J. Peacock
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Plastics Processing Technology - Extrusion - Packaging Technolog
Desc: 542 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824795466
Shelf

Edition:
Series:
Year: 2000
Price: $161.50



Subjects

598 .	Extrusion
628 .	Plastics Processing Technology
629 .	Packaging Technology

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Use and Fabrication of Polyethylene Products
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Reviews - Synopsis - Dust Jacket

This highly accessible handbook presents the basic history of this versatile plastic, examines its molecular structure and intrinsic properties, describes commercial processing techniques that convert raw polyethylene to finished products, reviews its myriad practical applications, and appraises the future development of its production and marketing — including metallocene technology and recycling systems.Handbook of Polyethylene: Structures, Prop and
Applications
electrical solid-state characteristics of polyethylene; highlights cross-linking and chemical modifications produced by surface treatment; explains methods of molecular weight and composition distribution analysis; investigates properties of oriented structures — such as high modulus fibers and billets — that occur during deformation; addresses chemical degradation, oxidation, and stabilization; describes extrusion, film production, profile forming, and various molding processes; and more. From the Preface: “The aim of this book is to provide a comprehensive introduction to the field of polyethylene in all its aspects as it applies to production, properties, and applications. Specifically, it correlates molecular structure with morphological features and thus with properties and end-use applications. Starting from a molecular description of the principal variants of polyethylene, it constructs a unified picture of polyethylene's melt structure and solid-state morphology and explains how this relates to processing variables and end-use applications...”Target Audience: Plastics, polymer, and chemical engineers; materials
scientists; industrial managers; and graduate students in these disciplines.

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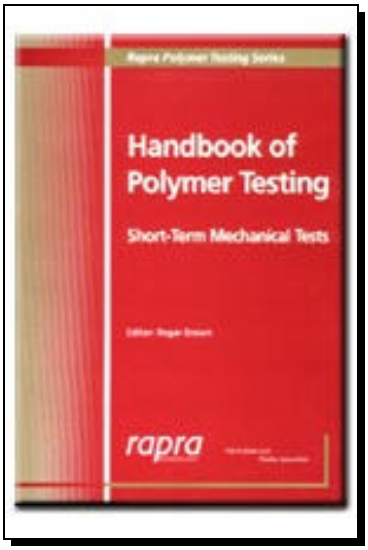
Handbook of Polymer Testing: Short-Term Mechanical Tests

Title	Location	Edition / Series / Misc.
1459 **Handbook of Polymer Testing: Short-Term Mechanical Tests**		*Edition:*
Author: Roger Brown, ed.	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 185957324	
- date: 2002	*Shelf*	*Year:* 2002
Subject: Polymer Characterization - Materials Science - QA/QC. Statistics. a		*Price:* $123.50
Desc: 220 p, 7.3 x 9.8 Paperback		



Subjects

607 .	QA/QC, Statistics, and Testing
609 .	Materials Science
613 .	Polymer Characterization

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Mass, Density and Dimensions
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Compression Stress—Strain
Shear Properties
Flexural Stress—Strain
Impact Strength
Tear Properties
Fracture Toughness
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Reviews - Synopsis - Dust Jacket

This volume is the first in a series of polymer testing books from Rapra Technology; it concentrates on short-term mechanical tests, which are defined as tests of mechanical properties where the effects of long periods of time and cycling are ignored. This group of tests includes hardness, tensile, compression, shear, flexing, impact, and tear. This book also discusses density and dimensional measurement, together with test piece preparation and conditioning.From the Preface: “Knowledge of the properties of materials is essential for several purposes: design, specification, quality control, failure analysis and for understanding the structure and behaviour of new materials. Specific test procedures evolve for each class of materials. These procedures are generally those found best suited to the generic characteristics of the material class and their use helps to provide the most meaningful results and to allow comparison of data from different sources. Plastics are no exception...”Target Audience: Anyone concerned with the testing of polymeric materials, from research to quality control to students of materials technology.

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Handbook of Polymer-Liquid Interaction Parameters and Solubility Parameters

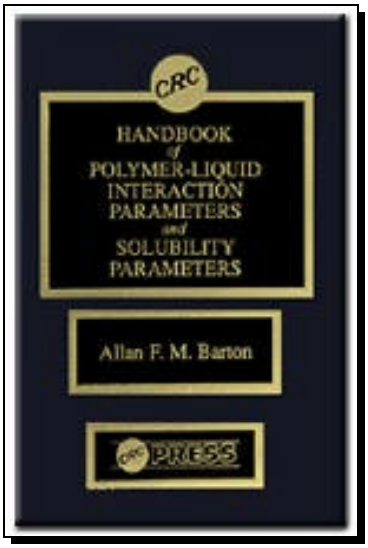
Title	Location	Edition / Series / Misc.

1008 **Handbook of Polymer-Liquid Interaction Parameters and Solubility Parameters**

Author: Allan F.M. Barton, ed.
Publish.: CRC Press
- place:
- date: 1990
Subject: Solubility and Surfactants - Polymer Surface Chemistry
Desc: 768 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849335442
Shelf

Edition:
Series:
Year: 1990
Price: $445.00



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Subjects

601 .	Polymer Surface Chemistry
605 .	Solubility and Surfactants

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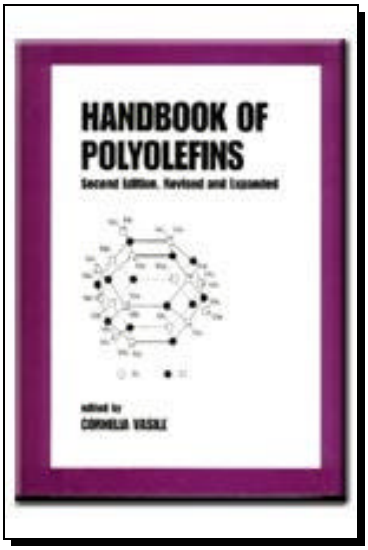
Title	Location	Edition / Series / Misc.

1307 **Handbook of Polyolefins, 2nd Ed.**

Author: Cornelia Vasile, ed.
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Polymer Science - Additives - Plastics Processing Technology -
Desc: 1030 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 824786033
Shelf

Edition:
Series:
Year: 2000
Price: $213.50



Subjects

610 .	Polymer Science
611 .	Additives
628 .	Plastics Processing Technology

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Estimation of Properties of Olefin Monomers and Polymers
Mechanical Properties and Parameters of Polyolefins
Electrical Properties
Rheological and Optical Properties and Parameters
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General Survey of the Properties of Polyolefins
Degradation and Decomposition
Biocompatibility and Biodeterioration of Polyolefins
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Appendix 2: Suppliers and Manufacturers of Additives for Polyolefins
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Reviews - Synopsis - Dust Jacket

This recently revised and updated reference presents sixty percent new material on the structure, morphology, and properties of polyolefin synthesis. It focuses on synthetic advances, the use of additives, polyolefin blends, composites and fibers, and surface treatment, including a discussion of the problem of interfacial and superficial phenomena.The chapters on properties offer extensive experimental data taken under a range of conditions.The
the primary industrial and more novel routes of synthesis. It examines new additives, including stabilizers, nucleating and clarifying agents,

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fillers and reinforcements, and coupling agents. It also describes thermodynamic properties of polyolefin solutions, reviews marketing data and their impact on scientific and economic development, explains functionalized and controlled lifetime polyolefins, clarifies biocompatibility and biodeterioration, and more.From the Preface: "...Recently, important progress has been made i modeling of catalytically active surfaces and catalysts, particularly in the field of metallocenes. The polyolefin industry is now at a crossroads with a revolution directly attributable to these metallocenes. The metallocene constrained geometry catalysts offer the control of the polyolefin structure and molecular weight as never before witnessed..."Target Audience: Chemical and design engineers; polymer, analytical, materials, petrochemical, and pharmaceutical chemists; environmental scientists and technologists; and upper-level undergraduate and graduate students in these disciplines.

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Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.

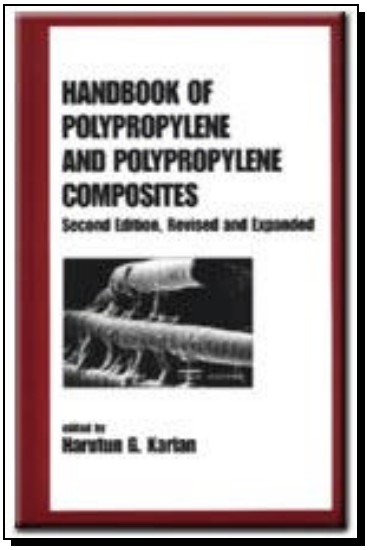
Title	Location	Edition / Series / Misc.

1228 **Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.**

Author: Harutun G. Karian, ed.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Materials Science - Composites. Laminates. and Fibers - Plastics
Desc: 756 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824740645
Shelf

Edition:
Series:
Year: 2003
Price: $168.50



Subjects

609 .	Materials Science
625 .	Composites, Laminates, and Fibers
628 .	Plastics Processing Technology

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Glass Fiber-Reinforced Polypropylene
Functionalization and Compounding of Polypropylene Using Twin-Screw Extruders
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Reviews - Synopsis - Dust Jacket

The second edition of this handbook builds on the success of its predecessor with completely revised material and six new chapters. It introduces the possibilities of new catalyst systems for producing more durable thermoplastics, while detailing the use of additives that promote impact resistance, controlled rheology, thermal stability, and other desirable characteristics of the polymer matrix. It reveals viable options for the manufacture of polypropylene composites to better accomodate market requirements across various industries.The discusses nanocomposite concentrates that improve the compounding of materials with superior mechanical and thermal properties; illustrates the behavior of the interphase region — the polymeric coating of any type of dispersed particulate incorporated in the polymer matix — composed of materials such as mineral filler particles and glass fibers; explores the characterization of long-term creep-fatigue behavior as a means of estimating service lifetime of thermoplastic components; and more.From the Preface: "...This handbook is a comprehensive guide to interphase design, describing key material ingredients that contribute to suitable thermal and mechanical behavior demanded by end-use requirements. I have identified interphsae design as the foundation on which additives

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are the individual building blocks needed to develop a suitable material. The sequence of formation steps begins with the manufacture of polypropylene resins and culminates with the aufbau (`building up') of the interphase design..."Target Audience: Plastics, chemical, design, process, manufacturing, and technical service engineers; materials scientists; polymer chemists; and upper-level students of these disciplines.

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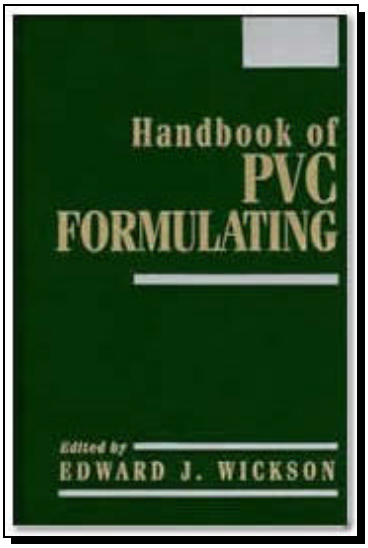
Title	Location	Edition / Series / Misc.

1109 **Handbook of Polyvinyl Choloride Formulating**

Author: Edward J. Wickson, ed.
Publish.: Wiley - Interscience
- place:
- date: 1993
Subject: Additives - Polvmer Science
Desc: 947 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471601829
Shelf

Edition:
Series:
Year: 1993
Price: $263.50



Subjects

610 .	Polymer Science
611 .	Additives

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Antifog Agents
Antistats
Antioxidants
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Flame Retardants and Smoke Suppressants
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NBR Elastomer Alloys
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Reviews - Synopsis - Dust Jacket

This comprehensive, ready reference discusses the properties of various available commercial PVC resins, and how these, together with additives and modifiers, are used in formulating polyvinyl chloride. Coverage includes economics of formulating, basic statistics and design of experiments, laboratory compounding and test methods, environmental and health converns in formulating, dry blending, powder coatings, and much more.From the Preface: "...There is a wealth of information on PVC technology available in various scientific and trade journals, proceedings of technical meetings, and technical literature of suppliers of PVC resins and additives. There are also several excellent books on the broad aspects of PVC technology and on additives for plastics. However, none focuses on

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PVC formulating. This volume is the end result of what the editor had long
felt was a need for a one-volume, ready-reference book describing in
detail the properties of the various commercial PVC resins..."Target Audience: Formulators, product managers, chemists, and
technologists in industry; also students concerned with PVC formulation.

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Handbook of Pressure Sensitive Adhesive Technology, 3rd Ed.

Title	Location	Edition / Series / Misc.

1192 **Handbook of Pressure Sensitive Adhesive Technology, 3rd Ed.**

Author: Donatas Satas, ed.
Publish.: Satas & Associates
- place:
- date: 1999
Subject: Adhesives and Adhesion - Biopolymers and Medical Applications -
Desc: 1038 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 963799339
Shelf

Edition:
Series:
Year: 1999
Price: $171.50

Subjects

235 .	Coating processes
606 .	Adhesives and Adhesion
622 .	Biopolymers and Medical Applications

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Butyl Rubber and Polyisobutylene
Styrenic Block Copolymers
Ethylene-Vinyl Acetate and Related Copolymers
Amorphous Poly-Alpha Olefins in Hot Melt Pressure Sensitive Adhesives
Acrylic Adhesives
Radiation Curable Acrylic Systems
Silicone Pressure Sensitive Adhesives
Miscellaneous Polymers
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Electrically Conductive Pressure Sensitive Adhesives
Tackifier Resins
Release Coatings
Silicone Release Coatings
Saturated Paper and Saturated Paper Tapes
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Silicone Pressure Sensitive Adhesives for Healthcare Applications
Electrical Tapes
Packaging Tapes
Double Sided and Transfer Tapes
Plastic Tape Pipeline Coatings
Label Stock
Labels
Coating Additives
Coating Equipment
Drying
Slitting
Computer Applications

Reviews - Synopsis - Dust Jacket

This updated classic includes among its 41 chapters several new ones on PSA applications. An exhaustive treatise on the entire field of pressure sensitive adhesives. Highly recommended.From the Preface: "...The third extensively revised edition is the continuation of the effort. The revision is not limited to updating. We have made changes so that this book is as close to the handbook as possible. We have added several chapters regarding various PSA applications thus covering the application field broader than in previous

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editions. We moved the discussions on pressure sensitive adhesive properties closer to overviews of the existing art. And of course the material was updated, because the pressure sensitive adhesive field is a fast growing one and new polymers and techniques have been developed..."Target Audience: Any reader interest pressure sensitive adhesives.

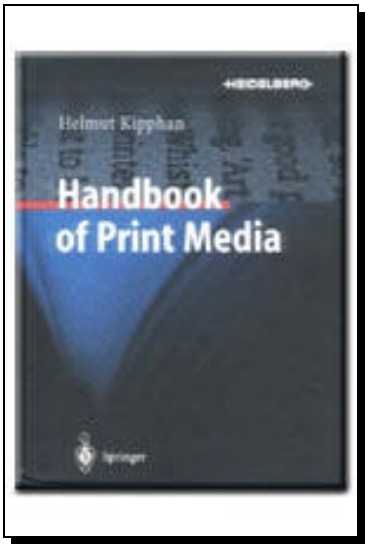
Title	Location	Edition / Series / Misc.

1488 **Handbook of Print Media: Technologies and Manufacturing Processes**

Author: Helmut Kipphan, ed.
Publish.: Springer
- place:
- date: 2001
Subject: Printing Technology - General Reference
Desc: 1228 p, 7.5 x 9.5 Hardcover with CD-ROM

Dynix:
Call No.:
ISBN: 3540673261
Shelf

Edition:
Series:
Year: 2001
Price: $93.50



Subjects

604 .	General Reference
624 .	Printing Technology

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Reviews - Synopsis - Dust Jacket

This massive and beautiful volume (with accompanying fully searchable CD-ROM) contains literally everything you need to know about modern printing technology and practice.
in covering the entire spectrum of modern print media production. Despite its comprehensive treatment, it remains an easy-to-use, single volume reference, with all the information clearly structured and readily retrievable.The book covers both the traditional and new, digital technologies involved in all phases of print media production. Electronic media and multimedia are also explained and positioned. The technologies and production systems covered are state of the art, representing a multitude of products from well-known manufacturers worldwide. The first three chapters, comprising half of the book, are extremely comprehensive. This edition is based on the original German text, which was edited and updated during translation. Nearly half of the 1,400+ illustrations are in full color. Highly recommended — a remarkable value.From the Preface: “The technological change and evolution in tl printing, publishing and communications industry and increasing market requirements in terms of quality, costs and distribution of print media, have led to a considerable change in the technologies and processes used for their production. Digitalization, automation, synergistic technologies and innovations are further signs of improvements, developments and new production methods and processes...”Target Audience: Commercially and technically oriented specialists throughout the graphic arts industry; print specifiers and buyers; senior press operators; and students of printing and graphic communications.Brief Table of Contents:Fundamentals
Printing Technologies with Permanent Printing Master
Prepress
Computer to ... Technologies
Printing Technologies without a Printing Plate (NIP Technologies)
Hybrid Printing Technologies
Print Finishing Process
Material and Data Flow in Print Media Production
Production Strategies for Print Media
Comparison of Printing and Production Technologies for Print Media
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Title	Location	Edition / Series / Misc.

1199 **Handbook of Printing Processes**

Author: Deborah L. Stevenson
Publish.: GATF
- place:
- date: 1994
Subject: Printing Technology - General Reference
Desc: 270 p, 5.5 x 8.5 Hardcover

Dynix:
Call No.:
ISBN: 883621649
Shelf

Edition:
Series:
Year: 1994
Price: $58.50

Subjects

604 .	General Reference
624 .	Printing Technology

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Introduction
Conventional Art and Copy Preparation
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Color Reproduction
Film Assembly
Image Carriers
Presswork
Nonimpact Printing
Binding and Finishing
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Ink
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Reviews - Synopsis - Dust Jacket

This comprehensive introductory text explains all the production procedures used to produce a printed piece. It discusses all of the major printing processes — lithography, flexography, gravure, letterpress, and screen printing — and includes discussions of non-impact printing, binding and finishing, and paper and ink. A glossary of terms is included.From the Introduction: “Graphic communications is general term that describes the many different industries involved in designing and reproducing graphic images. Graphic communications is pervasive and dynamic. It is filled with color and imagination, and provides infinite opportunities for expressing creativity and capturing history. It is central to communication; without it, we would have to rely on either the spoken word, which is not tangible or permanent, or hand transcription and recording for all our information...”Target Audience: Aimed primarily at students of printing, this text will also serve practitioners as a concise guide to important principles.

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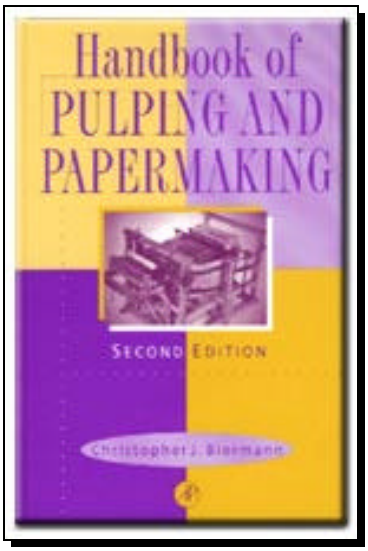
Title	Location	Edition / Series / Misc.

1085 **Handbook of Pulping and Papermaking, 2nd Ed.**

Author: Christopher J. Biermann
Publish.: Academic Press
- place:
- date: 1996
Subject: Paper and Paperboard - Colloids and Emulsions - QA/QC. Statistics
Desc: 782 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 120973626
Shelf

Edition:
Series:
Year: 1996
Price: $73.50



Subjects

607 .	QA/QC, Statistics, and Testing
615 .	Paper and Paperboard
621 .	Colloids and Emulsions

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Paper and Its Properties
Stock Preparation and Additives for Papermaking
Paper Manufacture
Fiber from Recycled Paper
Environmental Impact
Metric and English Units and Unit Analysis
Introductory Chemistry Review
Analytical and Coordinate Chemistry
Calculations of Wood, Paper, and Other Materials
Pulping Calculations
Bleaching and Pulp Properties Calculations
Polymer Chemistry
Carbohydrate Chemistry
Total Quality Management
Colloid and Surface Chemistry
Papermaking Chemistry
Printing and the Graphic Arts
Optical Properties of Paper
Wood and Fiber — Growth and Anatomy
Softwood Anatomy
Hardwood Anatomy
Wood Fiber Anatomy and Identification
Nonwood Fiber Use in Pulp and Paper
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Corrugated Containers
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Reviews - Synopsis - Dust Jacket

The second edition of this comprehensive classic is a reference and educational tool for industry and academia. It offers a concise yet thorough introduction to the process of papermaking from the production of wood chips to the final testing and use of the paper product. Coverage in this expanded edition includes optical properties of paper, printing processes, wood and fiber anatomy, colloid and papermaking chemistry, process control, and hydraulics. Emphasis is placed on the principles and concepts behind papermaking, together with the details of both physical and chemical processes.From the Preface: "...This book stresses concepts and gives a series of problems to demonstrate understanding of the concepts rather than just the memorization of `facts'; the difference results in the molding of a mind into that of a scientist in preference to molding a mind into an insignificantly small, unreliable database..."Target Audience: Virtually all personnel in the pulping and papermaking

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industries, and students studying these topics.

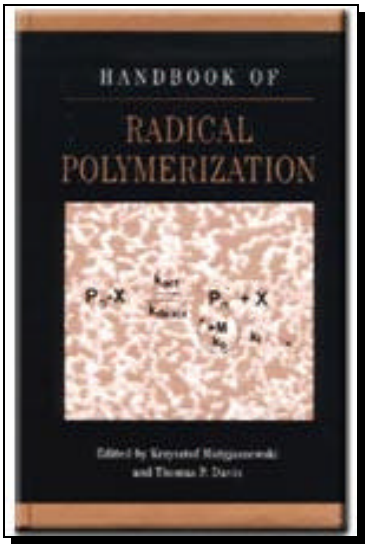
Title	Location	Edition / Series / Misc.

1434 **Handbook of Radical Polymerization**

Author: Krzysztof Matyjaszewski and Thomas P. Davis, eds.
Publish.: Wiley - Interscience
- place:
- date: 2002
Subject: Polymer Science - Recommend this Site
Desc: 930 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 47139274
Shelf

Edition:
Series:
Year: 2002
Price: $185.00



Subjects

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715 .	Recommend this Site

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Macromolecular Engineering by Controlled Radical Polymerization
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Reviews - Synopsis - Dust Jacket

Handbook of Radical Polymerization
comprehensive source of information on mechanisms, synthetic techniques,
and characterization methods and addresses future trends for polymers made
by free radical intermediates. It serves as a single reference covering
both conventional and controlled/living radical polymerization methods.From the Introduction: "...This book aims to capture the explosion of
progress made in free radical polymerization in the past 15 years.
Conventional radical polymerization (RP) and living radical polymerization
(LRP) mechanisms receive extensive coverage together with all the other
important methods of controlling aspects of radical polymerization. To
provide comprehensive coverage we have included chapters on fundamental
aspects of radical reactivity and radical methods in oraganic synthesis,
as these are highly relevant to the chemistry and physics underpinning
recent developments in our understanding and exploitation of conventional
and living free radical polymerization methods..."Target Audience: Chemists, chemical engineers, materials and pc scientists, upper-level students and academic researchers who are
concerned with polymerization methods.

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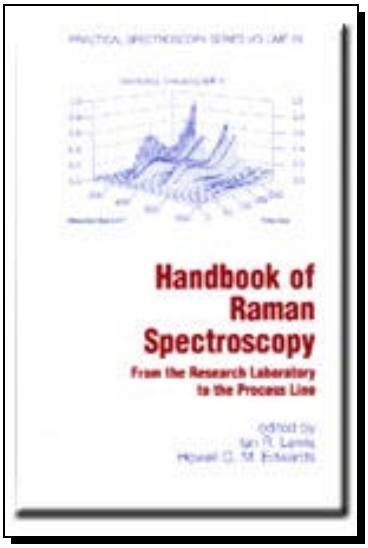
Title	Location	Edition / Series / Misc.

1315 **Handbook of Raman Spectroscopy: From the Research Laboratory to the Process Line**

Author: Ian R. Lewis and Howell G.M. Edwards, eds.
Publish.: Marcel Dekker
- place:
- date: 2001
Subject: OA/OC. Statistics. and Testing - Surface Characterization and Analy
Desc: 1074 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824705572
Shelf

Edition:
Series:
Year: 2001
Price: $195.00



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607 .	QA/QC, Statistics, and Testing
608 .	Surface Characterization and Analysis

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Raman Scattering of Glass
Raman Spectroscopic Applications to Gemmology
Raman Spectroscopy on II—VI Semiconductor Nanostructures
In Vivo Raman Spectroscopy
Some Pharmaceutical Applications of Raman Spectroscopy
Low-Frequency Raman Spectroscopy and Biomolecular Dymanics
Raman Spectroscopic Studies of Ion—Ion Interactions in Aqueous and Nonaqueous Electrolyte Solutions
Environmental Applications of Raman Spectroscopy to Aqueous Systems
Raman and Surface Enhanced Resonance Raman Scattering: Applications in Forensic Science
Application of Raman Spectroscopy to Organic Fibers and Films
Raman Spectroscopy of Catalysts
Applications of IR and Raman Spectroscopy to the Study of Medieval Pigments
Raman Spectra of Quasi-Elemental Carbon
Process Raman Spectroscopy
The Use of Raman Spectroscopy to Monitor the Quality of Carbon Overcoats in the Disk Drive Industry
Raman Spectroscopy in the Undergradutae Teaching Laboratory
Raman Spectroscopy in the Characterization of Archaeological Materials
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Reviews - Synopsis - Dust Jacket

This comprehensive reference/text covers updated principles of Raman theory, analysis, instrumentation, and measurement — it specifies up-to-the-minute benefits of Raman spectroscopy in a variety of industrial and academic fields. Case studies that illustrate current techniques in data extraction and analysis are presented.Handbook of Raman Spectroscopy the industrial environment; examines the use of Raman spectroscopy in polymer films and fibers; discusses spectral identification and management of standard spectral databases for pigments; reveals insights into biodynamics and process control; and more.From the Preface: "...When we first conceived this book, there was n a single reference source whose basis was (a) Can Raman spectroscopy be of use? and if it can, (b) what type of instrumentation will allow the user to obtain the most useful data? We have tried to identify as many areas of topical interest as possible, that will be appropriate to [practical industrial-oriented] Raman practitioners. We have drawn together and blended industrial and academic spectroscopists to produce a comprehensive text for modern Raman spectroscopists..."Target Audience: General and Raman spectroscopists; organic, inorgani

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analytical, polymer, material, and environmental chemists and biochemists; process and chemical engineers; physicists; instrument design specialists; forensic scientists; pharmacologists; and upper-level undergraduate and graduate students in these fields.

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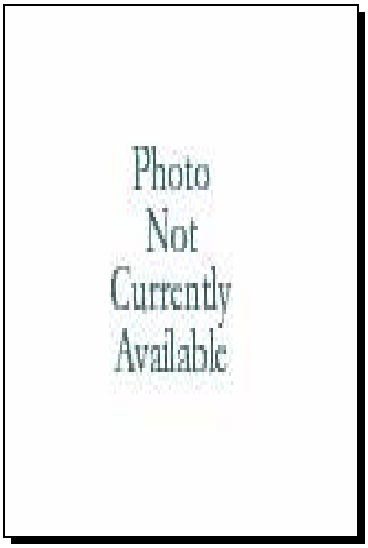
Title	Location	Edition / Series / Misc.

1354 **Handbook of Rubber Bonding**

Author: Bryan Crowther, ed.
Publish.: Rapra
- place:
- date: 2001
Subject: Adhesives and Adhesion - Materials Science
Desc: 396 p, 7.2 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 1859571670
Shelf

Edition:
Series:
Year: 2001
Price: $218.50



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606 .	Adhesives and Adhesion
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

Although there is some discussion of relevant theory in various sections of this text, the focus is clearly on practical applications of rubber bonding — both to itself and to other substrates. An extensive first chapter concentrates on the problem of surface preparation and its importance to long-term bond integrity.The number of world authorities engaged in improving bonded products to meet the ever increasing demands placed on composites and components manufactured from rubbers bonded to metals, fabrics, fibres, and plastic substrates. In light of the effect of environmental regulations on traditional rubber bonding technology, information on the development and applications of waterborne bonding systems is presented.From the Introduction: "...It is some forty years since a publication has been devoted solely to the subject of the bonding of rubbers to various substrates...Although from time to time manufacturers of bonding agent systems publish papers in trade journals there is generally a dearth of available information for the factory practitioner to consult. The subject matter for this present volume has been selected to cover a wide range of interests, both in terms of products and applications..."Target Audience: Primarily intended for industrial practitioners, including technologists, process engineers, quality specialists, and plant managers and supervisors.

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Handbook of Solubility Parameters and Other Cohesion Parameters, 2nd Ed.

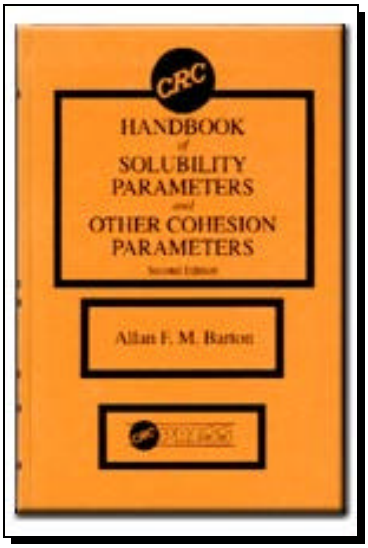
Title	Location	Edition / Series / Misc.

1007 **Handbook of Solubility Parameters and Other Cohesion Parameters, 2nd Ed.**

Author: Allan F.M. Barton, ed.
Publish.: CRC Press
- place:
- date: 1991
Subject: Solubility and Surfactants - Recommend this Site
Desc: 766 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849301769
Shelf

Edition:
Series:
Year: 1991
Price: $295.00



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Calculated Cohesion Parameters
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Gases
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Polymer Maps and Models
Correlation of Polymer Properties with Cohesion Parameters
Surfaces and Interfaces
Chromatography
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605 .	Solubility and Surfactants
715 .	Recommend this Site

Reviews - Synopsis - Dust Jacket

Based on a bibliography of over 2,900 research reports, this handbook's construction develops the concept of solubility parameters from empirical, thermodynamic, and molecular points of view, demonstrating their application to liquid, gas, solid, and polymer systems. Data are presented with self-consistent units and terminology in tables and illustrated diagrammatically in solubility maps with full reference to primary resources. The result is a uniquely comprehensive and usable survey of the field.From the Preface: "...Activity in the application of cohesion parameters to a wide range of materials has continued at a high level, and this Second Edition includes reference to the work of an additional 1200 reports, most having been published during the past decade. The increasing use of solubility parameters in patent specifications is a particularly interesting illustration of the general acceptance of the concept..."Target Audience: Polymer, colloid, and surface chemists; formulators of inks, coatings, adhesives, paints, plasticizers, pigments and colorants, cleaning agents, etc.; and upper-level students interested ub these topics.

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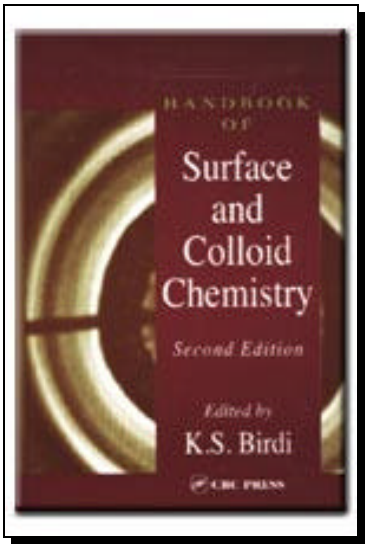
Title	Location	Edition / Series / Misc.

1072 **Handbook of Surface and Colloid Chemistry, 2nd Ed.**

Author: K.S. Birdi, ed.
Publish.: CRC Press
- place:
- date: 2002
Subject: Colloids and Emulsions - Polvmer Surface Chemistrv
Desc: 864 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849310792
Shelf

Edition:
Series:
Year: 2002
Price: $253.50



Subjects

601 .	Polymer Surface Chemistry
621 .	Colloids and Emulsions

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Surface Tension and Interfacial Tension of Liquids
Thermodynamic Properties of Surfactant Solutions
Micellar Systems and Microemulsions: Solubilization Aspects
Foams and Antifoams: A Thin Film Approach
Dielectric Spectroscopic Characterization of Emulsions
Solubilization in Aqueous Surfactant Systems
Surface Tension of Polymers
Cohesion Energy Parameters Applied to Surface Phenomena
Chemical Physics of Colloid Systems and Interfaces
Colloidal Assemblies Used as Microreactors
Scattering and Absorption of Light by Particles and Aggregates
Colloid Systems and Interfaces — Stability of Dispersions Through
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Particle Engineering of Drug-Loaded Nanoparticles and Their Potential
Drug-Targeting Applications
Membrane Mimetic Systems as Compartments for Advanced Materials
Surface Properties of Lipids and Proteins at Bio-Interfaces
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Reviews - Synopsis - Dust Jacket

An international community of chemists has come together to create the definitive handbook on surface and colloidal systems, incorporating a massive amount of data into one single volume. Summarizing recent research in the field,
eliminates the need to search through stacks of journals for critical information. All the facts you need in the laboratory or in the classroom are at your fingertips in a unique style and form that can be used as an effective guide for planning future research. A chapter on surface tension of polymers is included.From the Preface: "...The application area of surface and colloid science has increased dramatically during the past decades. For example, the major industrial areas have been soaps and detergents, emulsion technology, colloidal dispersions (suspensions; nanoparticles), wetting and contact angle, paper, cement, oil recovery, pollution control, fogs, foams (thin liquid films), food industry, biomembranes, membranes, and pharmaceutical industry. Recently, new areas of applications are developing, one of which is the synthetic transplants and biological monitors..."Target Audience: Research chemists pursuing a broad range of technologies; biotechnologists; surface and interfacial scientists; and upper-level students of physical, colloid, and surface chemistry.

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Handbook of Surface and Interface Analysis: Methods for Problem-Solving

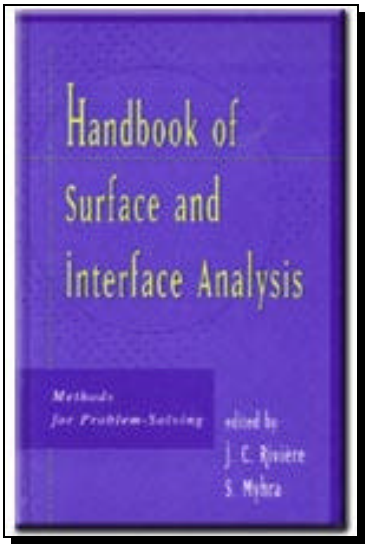
Title	Location	Edition / Series / Misc.

1087 **Handbook of Surface and Interface Analysis: Methods for Problem-Solving**

Author: J.C. Riviere and S. Myhra, eds.
Publish.: Marcel Dekker
- place:
- date: 1998
Subject: Surface Characterization and Analysis - Biopolymers and Medical
Desc: 995 p, 6 x 9 Hardcover
Fibers

Dynix:
Call No.:
ISBN: 824700805
Shelf

Edition:
Series:
Year: 1998
Price: $198.50



Subjects

608 .	Surface Characterization and Analysis
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

This hands-on resource integrates the latest advances in instrumentation and methods (including electron optical and scanned probe microscopy, high speed resolution imaging, and synchrotron-based techniques), offering a top-down approach to solving problems in surface and interface analysis. It emphasizes problem solving for different classes of materials and material functions, showing how the most rational and efficient route to a problem's solution can be determined.Handbook of Surface and Interface Analysis: Methods f Problem-Solving scattering spectroscopy; surface mass spectrometry and depth profiling; ion beam effects and ion implantation; surface specific methods for problem-solving in tribology; catalyst characterization; analysis techniques in metallurgy, microelectronics and semiconductors, minerals, ceramics, glasses, and composites; and more.From the Preface: "...[W]hat might be called the `traditional' surface analytical techniques are now fully mature and capable of being applied as routine tools of the trade in a remarkably wide range of technological problems. Unlike most earlier volumes, therefore, the present book reflects that maturity in that the emphasis is not, as before, on the techniques but on the problems that they are required to help solve..."Target Audience: Physical, surface, colloid, a analytical chemists; materials scientists; surface and interface technologists; solid-state physicists; ceramic, polymer, and metallurgical engineers; and graduate-level students in these fields.Brief Table of Contents:Introduction
Elements of Problem-Solving
How to Use This Book
Spectroscopic Techniques: X-Ray Photoelectron Spectroscopy, Auger Electron Spectroscopy, and Ion Scattering Spectroscopy
Compositional Analysis by Auger Electron and X-Ray Photoelectron Spectroscopy
Ion Beam Techniques: Surface Mass Spectrometry
In-Depth Analysis: Methods for Depth Profiling
Ion Beam Effects in Thin Surface Films and Interfaces
Surface Modification by Ion Implantation
Introduction to Scanned Probe Microscopy
Metallurgy
Microelectronics and Semiconductors
Minerals, Ceramics, and Glasses
Composites
Corrosion and Surface Analysis: An Integrated Approach Involving Spectroscopic and Electrochemical Methods
Problem-Solving Methods in Tribology with Surface-Specific Techniques
Catalyst Characterization
Adhesion Science and Technology
Archaeomaterials
Appendix 1: Physical Constants and Conversion Factors
Appendix 2: Data for the Elements and Isotopes
Appendix 3: Less Commonly Used Techniques for Analysis of Surfaces and Interfaces
Appendix 4: Core-Level Binding Energies, Auger Kinetic Energies, and

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Modified Auger Parameters for Some Chemical Elements in Various Compounds
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Handbook of Surfactant Analysis: Chemical, Physico-Chemical, and Physical Methods

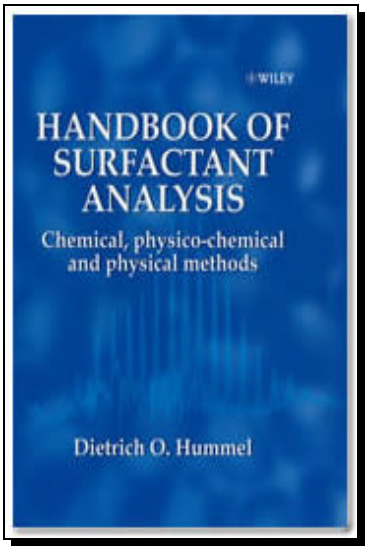
Title	Location	Edition / Series / Misc.

1340 **Handbook of Surfactant Analysis: Chemical, Physico-Chemical, and Physical Methods**

Author: Dieter O. Hummel
Publish.: John Wiley & Sons
- place:
- date: 2000
Subject: Solubility and Surfactants - QA/QC. Statistics. and Testing - Surface
Desc: 412 p. 7.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 471720461
Shelf

Edition:
Series:
Year: 2000
Price: $253.50



Subjects

605 .	Solubility and Surfactants
607 .	QA/QC, Statistics, and Testing
608 .	Surface Characterization and Analysis

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Selected Methods for the Quantitative Analysis of Surfactants
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Reviews - Synopsis - Dust Jacket

This translation of the second edition of the successful German book Analyse der Tenside physico-chemical, and physical methods of surfactant analysis, with special emphasis on infrared spectroscopy. No other book deals with as many analytical methods for this important group of substances in this much depth.The Physical Methods examples of spectra. It covers not only analytical data, but also the important data relevant to the industrial production and use of various classes of compounds. The fundamental principles and applications of modern spectroscopic and electroanalytical techniques, now playing an increasingly important role as routine methods in analytical practice, are also described.From the Preface: "...The work is divided into chapters in such a way as to enable the user to find the desired subject quickly...Four years have gone by since the German edition of this book was published. During this short time around 100 important papers on the analysis of surface-active agents have appeared: physico-chemical methods, bulk analysis, analysis of formulations, trace analysis of surfactants in water, sewage sludge, soil...Things are really moving rapidly..."Target Audience: Industrial manufacturers and researchers of surfactants, upper-level undergraduate and graduate students, and others concerned with the analysis of surfactants.

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Handbook of Thermal Analysis and Calorimetry [Vol. 3: Applications to Polymers and Plastics]

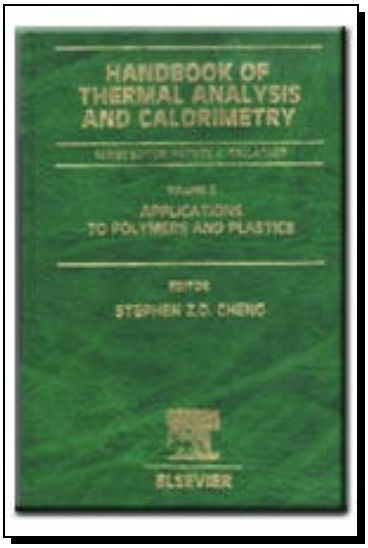
Title	Location	Edition / Series / Misc.

1530 **Handbook of Thermal Analysis and Calorimetry [Vol. 3: Applications to Polymers and Plastic**

Author: Stephen Z.D. Cheng, ed.
Publish.: Elsevier
- place:
- date: 2003
Subject: Polymer Characterization - Recommend this Site
Desc: 858 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 444512861
Shelf

Edition:
Series:
Year: 2003
Price: $198.50



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613 .	Polymer Characterization
715 .	Recommend this Site

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Recent Advances in Thermal Analysis of Thermotropic Main-Chain Liquid Crystalline Polymers
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Thermal Analysis of Polymer Fibers
Thermal Properties of High Temperature Polymer Matrix Fibrous Composites
Thermal Analysis and Calorimetry of Elastomers
Polymer Degradation
Thermally Stimulated Currents: Recent Developments in Characterization and Analysis of Polymers
Temperature Modulated Differential Scanning Calorimetry (TMDSC) — Basics and Applications to Polymers
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Reviews - Synopsis - Dust Jacket

This volume of the
covers the principles of polymeric materials' thermodynamic and thermal behaviors. The heat capacity of polymer solids and liquids, relaxation processes, molecular dynamics, polymer crystallization and melting, liquid crystalline polymers, copolymers and polymer blends, polymer films, fibers, thermosets, elastomers, composites, thermally stimulated currents, TMDSC, and degradation processes are all addressed. The goal is to spur the imagination to recognize potentially valuable applications of these methods, as well as to anticipate and answer questions, to guide the reader in the selection of appropriate techniques, and to support the effective application of the techniques in a proper and meaningful fashion.From the Preface: “This volume focuses on the principles and techniques of thermal analysis and calorimetry of polymeric materials...It is my intention that this volume will provide a unique addition to the literature in combining scientific concepts with technological aspects for a deeper understanding of their principles and practices. Polymeric materials are the newest addition to the materials community. A very exciting new field of interdisciplinary macromolecular science and engineering is rapidly emerging: a field where materials science/polymer science, engineering disciplines, chemistry, physics and biology all intersect. This field will have a profound presence in 21st century chemical, pharmaceutical, biomedical, manufacturing, infrastructure, electronic, optical and information technologies...”Target Audience: Researchers and technologists concerned with t
application of thermal analysis and calorimetry to polymer materials.

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Title	Location	Edition / Series / Misc.

1554 **Handbook of Thermoplastic Polyesters**

Author: Stoyko Fakirov, ed.
Publish.: John Wiley & Sons
- place:
- date: 2002
Subject: Polymer Science
Desc: 1416 p., 6.6 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 3527301135
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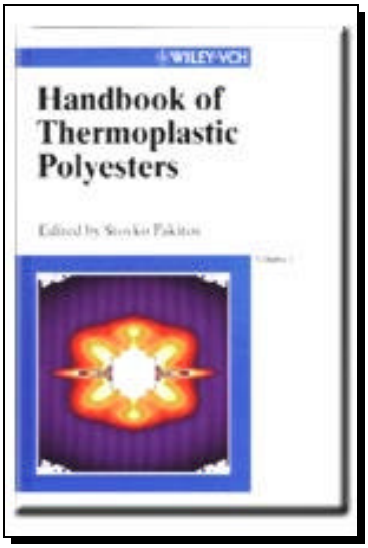
Edition:
Series:
Year: 2002
Price: $525.00



Subjects

610 . Polymer Science

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Homopolymers:

Polyesters: Synthesis and Chemical Aspects

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Structure and Dynamics of PET in the Partially Crystalline and Glassy States as Studied by Solid-State 13C and 2H NMR Spectroscopy

Structure Development and Mechanical Behavior During Uniaxial Drawing of PET

PET Fibers, Films, and Bottles

Poly(butylene terephthalate)

Oriented Crystallization of PET and PBT Estimated by Small-Angle Polarized Light Scattering

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Microstructural Characterization of Poly(ethylene naphthalene 2,6-dicarboxylate) Based on the Amorphous and Crystalline Phase Properties

Poly(trimethylene terephthalate) — a Newly Commercialized Member of the Polyester Family

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Synthesis and Characteristics of Polyester-Based Thermoplastic Elastomers: Chemical Aspects

Main-Chain Thermotropic Polyesters

Flexible Copolyesters Involving PBT: Strain-Induced Structural Changes in Thermoplastic Elastomers

Fracture and Fatigue Behavior of Amorphous (Co)polyester as a Function of Molecular and Network Variables

Blends:

Chemical Interactions in Blends of Condensation Polymers Involving Polyesters

Reactive Modification/Compatibilization of Polyesters

Blends of Thermoplastic Polyesters

Blends Based on Poly(butylene terephthalate)

Strain-Induced Polymorphic Transition in Poly(butylene terephthalate), Its Copolymers and Blends

Aging and Environmental Stress Cracking of PET, Its Copolymers and Blends

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Composites:

Nanostructured Polymer Composites from Polymer Blends: Morphology and Mechanical Properties

Textile Fabric-Reinforced Thermoplastic Polyester Composites

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Recycling of Polyesters

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Recycling Options for Post-Consumer PET and PET-Containing Wastes by Melt Blending

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Probable Future Trends in Various Classes of Thermoplastic Polyesters

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Reviews - Synopsis - Dust Jacket

Polyesters have continuously found new and interesting applications, in many cases without any substituting alterr The application opportunities of polyesters including high-performance materials are still not exhausted.

The Handbook of Thermoplastic Polyesters covers current knowledge on all aspects of polyester synthesis, structu properties, and recycling. The most important technical polyesters are presented in detailed chapters, homogeneou polymers as well as copolymers, blends, and high-performance reinforced polyester materials are discussed.

From the Preface: "...All these opportunities for PET application are related to its peculiar properties, originating mos from its structural characteristics. Of prime importance is its low crystallization rate, allowing the material to be easi obtained in the glassy state (photographic films, bottles). Secondly, PET is chemically very stable and practically insoluble, which makes it very attractive as a packaging material. At the same time, because of the presence of functional groups, PET easily undergoes chemical interactions (additional condensation, transreactions) in blends w other condensation polymers or functionalized polyolefins, provided the temperature is high enough (preferably in th melt). This helps one to overcome compatibilization problems, as well as to upgrade the molecular weight of PET solid state postcondensation..."

Target Audience: Chemists, physicists, engineers, materials scientists, and other professionals working in researcl development, and application of thermoplastic polyesters.

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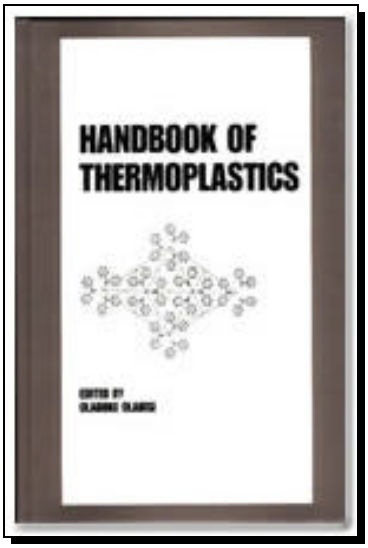
Title	Location	Edition / Series / Misc.

1135 **Handbook of Thermoplastics**

Author: Olagoke Olabisi, ed.
Publish.: Marcel Dekker
- place:
- date: 1997
Subject: Plastics Processing Technology - Polymer Science
Desc: 1072 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824797973
Shelf

Edition:
Series:
Year: 1997
Price: $225.00



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628 .	Plastics Processing Technology

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Cellulose Plastics
Thermoplastic Elastomers
Thermoplastic Polyurethanes
Polyester-Based Thermoplastic Elastomers
Thermoplastic Polyesters
Polyethylene Teraphthalate
Polybutylene Teraphthalate
Compatibilized Thermoplastic Blends
Toughening of Thermoplastics
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Aromatic Polyhydrazides and Their Corresponding Polyoxadiazoles
Polyphenylquinoxalines
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Polyphenylene Vinylene
Conducting Thermoplastics
Conducting Thermoplastics Composites
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Reviews - Synopsis - Dust Jacket

This landmark resource offers comprehensive coverage of all known commodity, transitional, engineering, high-temperature, and high-performance thermoplastics, plus analysis of emerging developments in the creation of new thermoplastics. It examines every important issue for each substance discussed, including history, development, and

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commercialization, as well as more technological concerns. Contains over 4,400 bibliographic citations and over 500 tables.From the Preface: “The global thermoplastics market, representing approximately 10% of the worldwide chemical industry, is the fastest growing segment of the world economy. The growth is being driven by several forces...`Tailor-made' materials with controlled microstructures are beginning to emerge not only in polyolefins and other commodity thermoplastics, but also in polar thermoplastics, thermoplastics elastomers, synthetic water soluble thermoplastics for super-function membranes, conducting thermoplastics, polymeric nonlinear optical (NLO) materials systems, liquid crystalline polymers, and advanced thermoplastics composites for structural applications..."Target Audience: Plastics, polymer, chemical, industrial, mechanical, design, manufacturing, and automotive engineers; polymer and materials scientists; polymer, organic, and industrial chemists; and upper-level students of these disciplines.

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Title	Location	Edition / Series / Misc.

1203 **Handbook of Thermoset Plastics, 2nd Ed.**

Author: Sidney H. Goodman, ed.
Publish.: Noyes Publications
- place:
- date: 1998
Subject: Polymer Science - Adhesives and Adhesion - Inks and Coatings -
Desc: 604 p, 6 x 9.3 Hardcover

Dynix:
Call No.:
ISBN: 815514212
Shelf

Edition:
Series:
Year: 1998
Price: $95.00

Subjects

603 .	Inks and Coatings
606 .	Adhesives and Adhesion
610 .	Polymer Science

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Amino and Furan Resins
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Reviews - Synopsis - Dust Jacket

Once occupying a smaller role in the plastics industry, thermoset plastics technology has increasingly become important to designers and users who work in specialty applications. Countless goods, from toys to medical devices, and from automotive to sports and recreation products, are being manufactured using thermoset plastics. In fact, the importance and contributions of unsaturated polyesters, urethanes, and epoxy thermosets have driven unprecedented sales and production figures that place them within the definition of commodity materials.This handbook offers a survey of thermoset technology, providing the reader with the practical implications of crosslinking, as well as establishing relationships among time, temperature, and mass — factors often overlooked in the general overviews allotted to thermoset plastics. It is written so that both non-specialists and specialists can follow along easily, while making in-depth data available for those who wish to expand their knowledge into new areas of expertise.From the Preface: "...Although grounded in polymer chemistry science, the treatments presented here do not require expertise in these disciplines. It is sufficient for the reader to understand the general principles in the introduction, i.e., learn the jargon, and he/she can proceed to any specific chapter for the information sought. If there is to be a consistent thread throughout each chapter, it is that thermoset plastics are materials of construction, subject to strengths and weaknesses, as well as proper use and misuse..."Target Audience: Engineers and technicians; scientists and researchers;
and upper-level students concerned with thermoset plastics.

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Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.

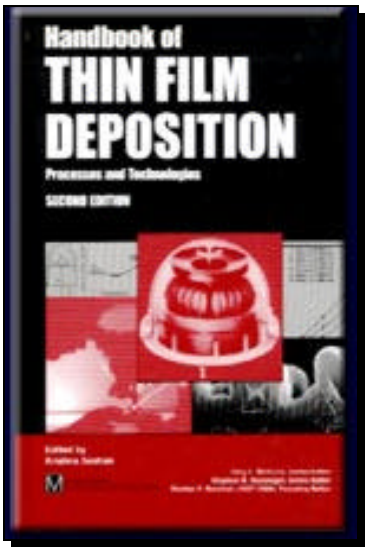
Title	Location	Edition / Series / Misc.

1414 **Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.**

Author: Krishna Seshan, ed.
Publish.: Noyes Publications
- place:
- date: 2002
Subject: Coating Processes - Materials Science - Surface Characterization ar
Desc: 658 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514425
Shelf

Edition:
Series:
Year: 2002
Price: $98.50



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235 .	Coating processes
608 .	Surface Characterization and Analysis
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

This revised and expanded edition traces the technology behind the spectacular growth in the silicon semiconductor industry and the continued trend in miniaturization over the last 20 years. This growth has been fueled in large part by improved thin film deposition techniques and the development of highly specialized equipment to enable this deposition.The second edition of the includes entirely new chapters on contamination and contamination control, which assume greater and greater importance as dimensions shrink to sub-micron levels. A new chapter on metrology explains the growth of sophisticated, automatic tools capable of mesauring thickness and spacing at sub-micron levels. The book also covers PVD, laser and e-beam assisted deposition, MBE, and ion beam methods to bring together all the physical vapor deposition techniques. Finally, two entirely new areas receive in-depth treatment: Chemical mechanical polishing, which helps maintain the degree of flatness required for modern microlithography; and new materials used for interconnect dielectric materials, specifically organic polyimide materials.From the Foreword: "...[I]f the technology for integrated circuit manufacture as practiced today were named for the majority of the processing steps, the technology could probably be more accurately described as thin-film technology. Consistent with this change, the processing for the deposition and patterning of films has received major research and engineering emphasis over the last few decades...Today one can control both the electrical and mechanical properties while achieving uniform and reproducible films from a few atomic layers thick to several micrometers. The chemistry and physics of the films are becoming increasingly better understood, but as they are, the demands of the device designer become more stringent...This book takes a snapshot of the state of the art in various technologies relating to thin films...This is the forefront of science and process engineering with important bearing on many modern industries."Target Audience: Engineers, technicians, upper-level students, and other readers concerned with the manufacture of semiconductors and other products dependent on thin film deposition.

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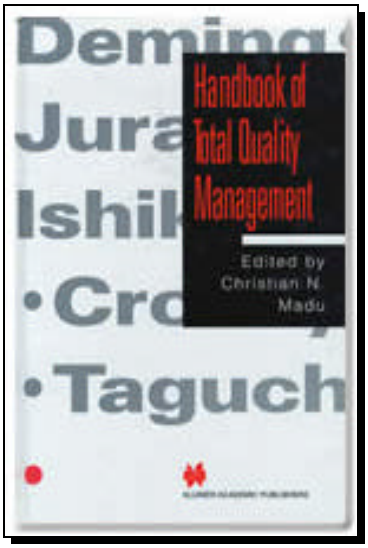
Title	Location	Edition / Series / Misc.

1272 **Handbook of Total Quality Management**

Author: Christian N. Madu, ed.
Publish.: Kluwer Academic
- place:
- date: 1998
Subject: OA/OC. Statistics. and Testing - General Reference
Desc: 834 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 41275360
Shelf

Edition:
Series:
Year: 1998
Price: $285.00



Subjects

604 .	General Reference
607 .	QA/QC, Statistics, and Testing

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Introduction to Quality
Comparing Deming's and Juran's Philosophies to the Formation of Total Quality Leaders' World Views
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Developing Attributes of Quality for Internet Applications
Strategic Total Quality Management
Accounting and Capital Budgeting for Quality
Success in AMT Implementation and Quality Enhancement: Is There a Link?Service Quality
Quality, Productivity and Information Systems
Total Quality Management in the Supply Chain
Involving the Supply Chain in Design
Self-Assessment
Process Performance, Appraisal and Employee Development
Introduction to ISO and ISO Quality Standards
TQEM — Methods for Continuous Environmental Improvement
Benchmarking: A Quest for Continuous Improvement
Concurrent Engineering
Reengineering and Continuous Improvement
Quality Function Deployment
Introduction to Probability and Statistics
Tools for Quality Control and Process Redesign
Statistical Quality Control
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Reviews - Synopsis - Dust Jacket

Quality issues are occupying an increasingly prominent position in today's global business market, with firms seeking to compete on an international level on both price and quality. Consumers are demanding higher quality standards from manufacturers and service providers, while virtually all industrialized nations have instituted quality programs to help indigenous corporations. To achieve competitiveness, quality practice

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is a necessity.
The
how total quality can be achieved. It explores new topics such as
concurrent engineering, the Internet, ISO standards, QFD, and
environmental considerations, while considering important strategies for
quality improvement such as initiation and performance evaluation through
auditing, re-engineering, and process and design innovation. The book
includes a chapter on experimental design that uses a polymer coating
operation as an example; it also presents overviews of quality systems in
a number of countries and regions, including China, Europe, India, and
developing nations.From the Preface: "...A mix of articles from both industry and academic
experts are offered and we tried as much as possible to cover every
pertinent topic in total quality management. [This book] therefore,
promises to be an important reference manual which can be used as quick
reference in industrial application and as a text in teaching courses or
conducting seminars on total quality management..."Target Audience: Any reader involved with quality manageme
deployment, including consultants, practitioners and engineers in the
professional sector, and students and lecturers of information systems,
management, and industrial engineering.

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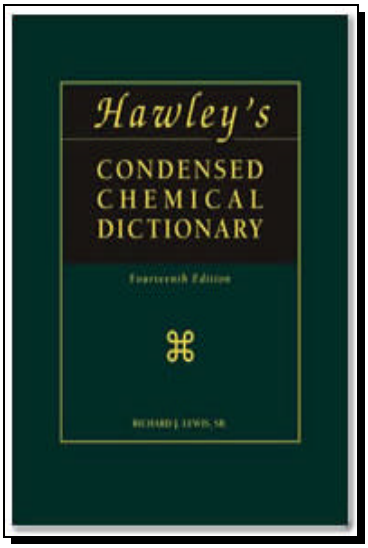
Title	Location	Edition / Series / Misc.

1345 **Hawley's Condensed Chemical Dictionary, 14th Print Ed.**

Author: Richard S. Lewis, Sr.
Publish.: John Wiley & Sons
- place:
- date: 2001
Subject: General Reference - Health. Safetv. and the Environment
Desc: 1240 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471387355
Shelf

Edition:
Series:
Year: 2001
Price: $138.50



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604 .	General Reference
623 .	Health, Safety, and the Environment

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Reviews - Synopsis - Dust Jacket

Since 1919, this authoritative reference has been the bedrock volume for professionals worldwide involved with chemicals — from scientific and technical staff to sales and marketing personnel, to managers and administrators. This resource remains unrivaled in totality, easy accessibility, and conciseness of data for common chemical substances and phenomena.The
is the world's principal lexicon of industrial chemicals, nomenclature, processes, reactions, products, and related terminology. Scrutinized and extensively revised by internationally renowned chemist and reference author Richard S. Lewis, Jr., this newest edition features updated information on production, usage, and regulatory trends. Additionally, the dictionary contains up-to-date chemical entries, definitions, and cross-references; web links to new, as well as established, manufacturers and associations; and to-the-point information on natural products, manufacturing processes, and equipment.This latest edition of the all the essential characteristics that have made earlier editions perennial bestsellers: it provides identification of chemical substances by name, physical properties, source of occurrence, CAS number, chemical formula, potential hazards, derivations, synonyms, and applications.Target Audience: Chemists and chemical engi environmental
professionals, industrial hygienists, toxicologists, managers of chemical information systems, and students requiring a reference geared toward these fields.

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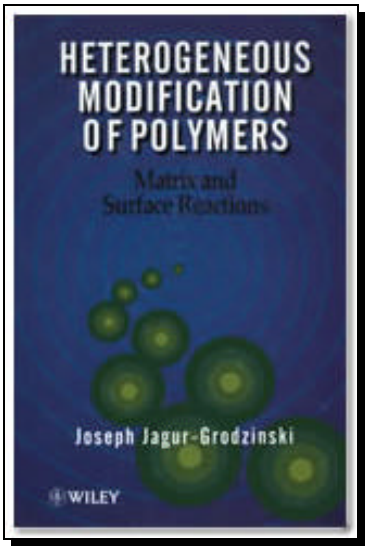
Title	Location	Edition / Series / Misc.

1068 **Heterogeneous Modification of Polymers: Matrix and Surface Reactions**

Author: Joseph Jagur-Grodzinski
Publish.: John Wiley & Sons
- place:
- date: 1997
Subject: Polymer Science - Composites, Laminates, and Fibers - Materials
Desc: 277 p, 6 x 9 CD-ROM

Dynix:
Call No.:
ISBN: 471942871
Shelf

Edition:
Series:
Year: 1997
Price: $136.50



Subjects

609 .	Materials Science
610 .	Polymer Science
625 .	Composites, Laminates, and Fibers

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Kinetics and Mechanisms
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Applications of Surface-Modified Polymers
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Reviews - Synopsis - Dust Jacket

There has been growing interest in heterogeneous systems as the contribution they make to polymer science and technology increases. Under heterogeneous conditions, the preparation and modification of polymers may yield products very different in structure, properties, and chemistry from those formed in solution under analogous conditions.Heterogeneous Modification of Polymers: Matrix and Surface Reactions outlines the prospective developments leading to novel products and technologies. It discusses surface modifications in depth, as well as considering the heterogeneously conducted bulk modifications of polymeric materials.From the Preface: "...The interest in such heterogeneous systems is considerable and their contribution to polymer science and technology is growing. Thermodynamic characteristics of such systems as well as the mechanism and the kinetics of the reactions may be expected to be often different from those taking place in homogeneous solutions. It seems, therefore, that a clear-cut distinction between homogeneous and heterogeneous systems is desirable..."Target Audience: Technologists, researchers, and graduate students concerned with the heterogeneous modification of polymers.

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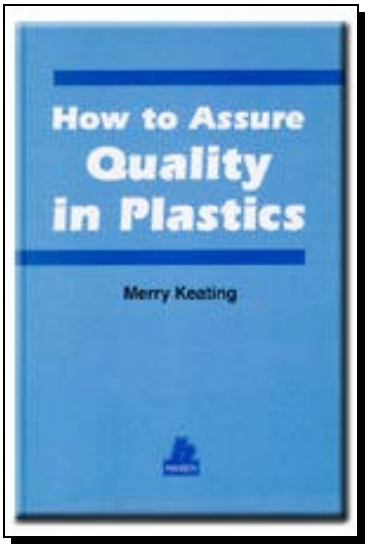
Title	Location	Edition / Series / Misc.

1011 **How to Assure Quality in Plastics**

Author: Merry Keating
Publish.: Hanser Gardner
- place:
- date: 1995
Subject: OA/OC. Statistics. and Testing - Recommend this Site
Desc: 231 p, 6.2 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1569901805
Shelf

Edition:
Series:
Year: 1995
Price: $65.00



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607 .	QA/QC, Statistics, and Testing
715 .	Recommend this Site

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Internal Systems Control
ISO-9000
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Continuous Improvement
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Reviews - Synopsis - Dust Jacket

This book presents practical guidelines in quality control for the plastics industry. It details proven industry-wide practices and strategies, including process optimization plans, supplier through customer quality planning, SPC and continuous improvement, and more.How to Assure Quality in Plastics basic understanding of the technologies and systems utilized to ensure a structured approach to product/process quality. It defines and details many procedures that are commonly used in quality departments, offering a basic knowledge of quality systems from advanced quality planning on through to final product inspection and the importance of relationships cultivated through customer satisfaction and supplier development.From the Preface: "...Case studies and example be included that highlight typical roadblocks and the methods followed to overcome them. Throughout the book the "team" concept will be defined in detail along with the pragmatic steps involved in team building. It will take you beyond the orthodox boundaries of "quality" and address relationships, roles, and the art of follow-up which truly are essentials in the quest for quality..."Target Audience: All quality, engineering, manufacturing, process control, and management personnel, as well as students, who are concerned with the quality function in plastics manufacturing.

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How to Find Chemical Information: A Guide for Practicing Chemists, Educators, and Students, 3rd Ed.

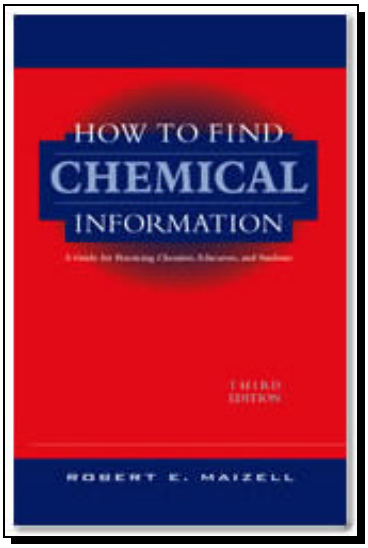
Title	Location	Edition / Series / Misc.

1254 **How to Find Chemical Information: A Guide for Practicing Chemists, Educators, and Student**

Author: Robert E. Maizell
Publish.: John Wiley & Sons
- place:
- date: 1998
Subject: General Reference - Health. Safetv. and the Environment
Desc: 540 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471125792
Shelf

Edition:
Series:
Year: 1998
Price: $78.50



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Chemists
Some United States Government Technical Information Centers and SourcesOnline Systems and Databases, the
Internet, CD-ROMs, and Related TopicsReviews
Encyclopedias and Other Major Reference Books; Journals
Patent Documents (with a Brief Section on Trademarks)
Environment, Safety, and Related Topics
Locating and Using Physical Property and Related Data
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604 .	General Reference
623 .	Health, Safety, and the Environment

Reviews - Synopsis - Dust Jacket

The most recent edition of this essential guide ushers readers through
the complex maze of today's chemical information sources and systems, both
electronic and printed. It combines an in-depth examination of chemical
information tools and access methods with tested principles for assessing
and selecting the most appropriate sources for different needs.How to Find Chemical Information, 3rd Ed.
that describes the mechanics of chemistry information flow, communication
patterns, and search strategies; provides detailed information on Chemical
Abstracts Service and its products, as well as those available from other
sources; discusses online databases, host systems, Internet files,
CD-ROMs, and other electronic products and how these fit into the total
information picture; and more.From the Preface: "...One of the strengths of this edition is that it
describes and discusses the more enduring principles, strategies, and
approaches that the chemist and engineer can utilize in the selection,
evaluation, and use of chemical information tools. These principles,
strategies, and approaches can be utilized with existing tools as well as
with the new and improved tools that will become available in the future.
Thus, a particular emphasis of this book is methods of evaluation that the
chemist can apply to new chemical information tools..."Target Audience: Practicing chemists and engineers, acade
public,
and industrial libraries, educators, and students.

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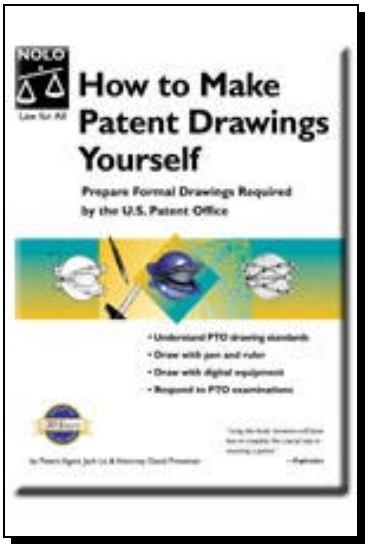
Title	Location	Edition / Series / Misc.

1184 **How to Make Patent Drawings Yourself, 3rd Ed.**

Author: David Pressman and Jack Lo
Publish.: Nolo Press
- place:
- date: 2001
Subject: Patents and Intellectual Property - Recommend this Site
Desc: 258 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 873377885
Shelf

Edition:
Series:
Year: 2001
Price: $15.00



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619 .	Patents and Intellectual Property
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

The third edition of this essential guide for inventors shows how to complete a crucial step in the patenting process — creating formal patent drawings that comply with the strict rules of the U.S. Patent Office.How to Make Patent Drawings Yourself: Prepare Formal Drawings
Required by the U.S. Patent Office
Office standards; make formal drawings by hand, with a computer, or camera; and respond to Patent Office examinations. And, it helps provide the reader with the satisfaction of properly completing the entire patent application without assistance — an impressive (and cost-saving) accomplishment for any inventor!From the Introduction: “...Once you learn the skills, you can do all the drawings yourself for any subsequent patent applications you file. Furthermore, you will be able to make drawings for a promotional brochure for marketing your invention to prospective manufacturers or customers. Therefore, you may be able to save hundreds, or even thousands, of dollars in the years to come. You may also be able to make the drawings more accurately than a hired professional, because you know your invention best...”Target Audience: Invaluable for any inventor.

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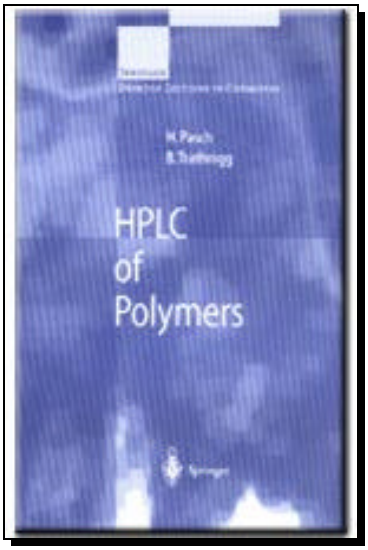
Title	Location	Edition / Series / Misc.

1216 **HPLC of Polymers**

Author: Harald Pasch and Bernd Trathnigg
Publish.: Springer
- place:
- date: 1999
Subject: Polymer Characterization - Polymer Science - QA/QC. Statistics. ar
Desc: 236 p. 6 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 3540655514
Shelf

Edition:
Series:
Year: 1999
Price: $56.50



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607 .	QA/QC, Statistics, and Testing
610 .	Polymer Science
613 .	Polymer Characterization

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Equipment and Materials
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Liquid Adsorption Chromatography
Liquid Chromatography at the Critical Point of Adsorption
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Reviews - Synopsis - Dust Jacket

Polymers are mainly characterized by molar mass, chemical composition, functionality, and architecture. The determination of the complex structure of polymers by chromatographic and spectroscopic methods is one of the major concerns of polymer analysis and characterization.
Polymers
analysis of polymers. The theoretical background, equipment, experimental procedures, and applications of different chromatographic methods are addressed. This book enables the reader to optimize conditions for a specific separation problem. Special emphasis is given to applications for homo- and co-polymers and polymer blends.From the Preface: "...A number of textbooks on liquid chromatograph polymers have been published in recent years, covering the fundamentals of the different techniques. However, to our knowledge, there is no edition on the market that describes the experimental aspect of the different techniques, in particular in interaction chromatography, and that gives detailed instructions for conducting experiments using the diverse techniques. Since experiment is always the proof of the theory, the authors intended to give an introduction into liquid chromatography by proposing a number of more or less simple experiments..."Target Audience: Beginners as well as experienced chromatographers;
polymer chemists, physicists, and materials scientists; and students of macromolecular and analytical sciences.

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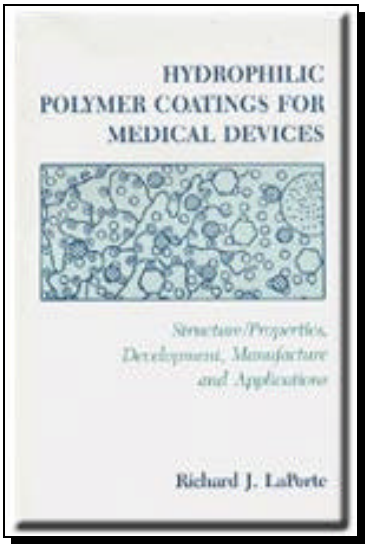
1112 **Hydrophilic Polymer Coatings for Medical Devices: Structure/Properties, Development, Manu**

Author: Richard J. LaPorte
Publish.: Technomic
- place:
- date: 1997
Subject: Biopolymers and Medical Applications - Coating Processes
Desc: 198 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1566765048
Shelf

Edition:
Series:
Year: 1997
Price: $178.50



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235 .	Coating processes
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Coating Application and Curing Techniques
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Applications
Concluding Remarks
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Reviews - Synopsis - Dust Jacket

Hydrophilic polymers are presently incorporated into the design of a rich variety of biomedical and pharmaceutical products. Contact lenses, ocular implants, a surfeit of drug delivery systems, lubricious coatings for less invasive devices, biological adhesives, antithrombogenic coatings, soft tissue replacement, and permanent implants are a few of the current commercial applications that incorporate hydrophilic polymers. Issues related to product feasibility, ease of manufacture, and product-process constraints, as well as environmental and regulatory concerns all have a direct bearing on the agenda of designers and engineers.Hydrophilic Polymer Coatings for Medical Devices practical guide to hydrophilic coatings technology for applications in this wide range of medical materials and devices. It concisely provides both the scientific basics of this class of polymers and the information needed for product development and evaluation, processing, manufacture, and regulatory compliance. Numerous schematics illustrate materials, processes, and equipment.From the Preface: "...The information is presented in such a way that the requirements and considerations associated with [the development of hydrophilic polymer coatings for medical devices] form the basics for the major topics discussed. The decision to present these particular topics in the order in which they appear is based on personal experience. Presented in this manner, it is hoped that the information will serve as a reference through all stages of formulation design, product development, pilot operations, process scale-up, and actual manufacture of the product."Target Audience: Any personnel involved in product development and evaluation, process engineering, and manufacturing management in the hydrophilic coatings and medical devices fields.

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ICE '99 Annual Meeting Program Proceedings

LASCT Holdings - maximum detail by Title

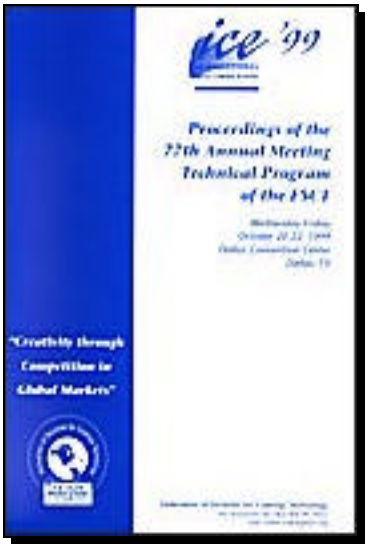
Title	Location	Edition / Series / Misc.

1571 **ICE '99 Annual Meeting Program Proceedings**

Author:
Publish.: FSCT
- place:
- date: 1999
Subject: Proceedings
Desc: 568 pages, soft cover.

Dynix:
Call No.:
ISBN: 0934010455
Shelf

Edition:
Series:
Year: 1999
Price: $109.00



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Reviews - Synopsis - Dust Jacket

This Proceedings volume contains over 40 presentations made at the FSCT's 77th Annual Meeting Technical Prog October 20-22, 1999, held in Dallas, TX. Topics include Resins for the New Millennium, Devising and Testing Non Marine Coatings, Coatings Testing, Coatings and the Environment.

Subjects

633 .	Proceedings

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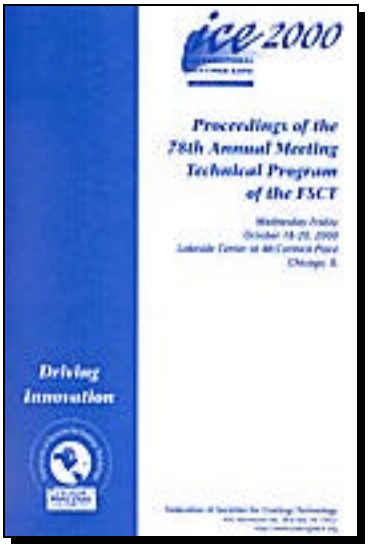
Title	Location	Edition / Series / Misc.

1568 **ICE 2000 Annual Meeting Program Proceedings**

Author:
Publish.: FSCT
- place:
- date: 2000
Subject: Proceedings
Desc: 874 pages, soft cover.

Dynix:
Call No.:
ISBN: 0934010463
Shelf

Edition:
Series:
Year: 2000
Price: $109.00



Subjects

633 .	Proceedings

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Reviews - Synopsis - Dust Jacket

This Proceedings volume contains over 50 presentations, keyed to the theme "Driving Innovation," made at the FS 78th Annual Meeting Program, held October 18-20 in Chicago, IL, 2000. Among the topics covered are: Emulsion Polymers, Application of Coatings, Zero VOC Resins, Advances in Waterborne Resins, Improved Pigment Dispers Novel Analytical Techniques and Coatings Rheology.

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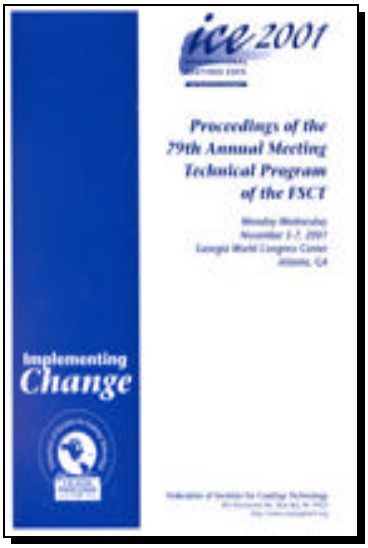
Title	Location	Edition / Series / Misc.

1569 **ICE 2001 Annual Meeting Program Proceedings**

Author:
Publish.: FSCT
- place:
- date: 2001
Subject: Proceedings
Desc: 834 pages, soft cover.

Dynix:
Call No.:
ISBN: 0934010544
Shelf

Edition:
Series:
Year: 2001
Price: $119.00



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Reviews - Synopsis - Dust Jacket

With over 50 presentations keyed to the theme "Implementing Change," this volume features the papers given at the FSCT's 79th Annual Meeting Program, held November 5-7, 2001 in Atlanta, GA. Topics covered include: Epoxy Chemistry and Coatings, Computer Modeling and the Internet, Coatings Characterization, Corrosion and Inhibition, Environmentally Compliant Technologies, Pigment Interaction and Dispersion Techniques, Film Formation and Con and General Coatings and Resin Technology.

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633 .	Proceedings

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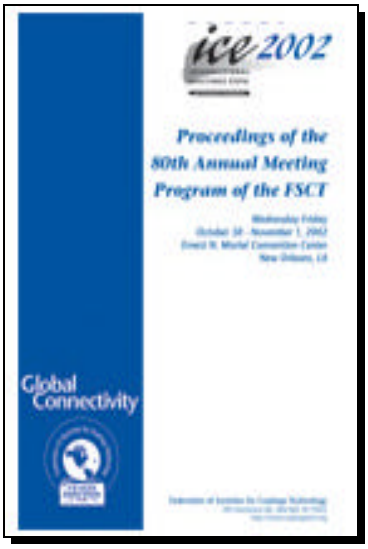
Title	Location	Edition / Series / Misc.

1570 **ICE 2002 Annual Meeting Program Proceedings**

Author:
Publish.: FSCT
- place:
- date: 2002
Subject: Proceedings
Desc: 900 pages, soft cover.

Dynix:
Call No.:
ISBN: 0934010560
Shelf

Edition:
Series:
Year: 2002
Price: $129.00



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633 .	Proceedings

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Reviews - Synopsis - Dust Jacket

Over 60 papers keyed to the theme "Global Connectivity" are included in this volume of papers given at the FSCT' Annual Meeting Program, held October 30-November 1, 2002 in New Orleans, LA. Topics covered include: Non-Polluting Coatings, Photodegradation, Manufacturing/Processing, Film Formation, Novel Analytical Methods, UV Coating Processes, Coatings Formulation, Additives, Corrosion, Technology Transitioning, Environmental Coatings General Coatings and Pigments.

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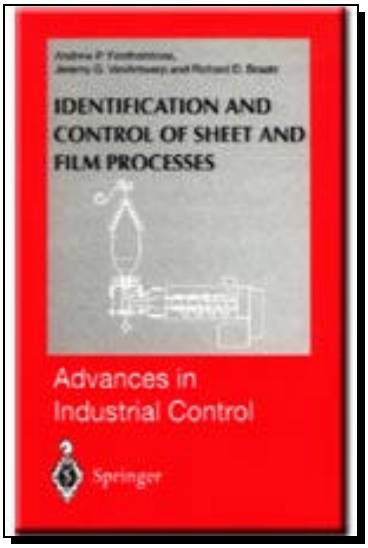
Title	Location	Edition / Series / Misc.
1491 **Identification and Control of Sheet and Film Processes**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: Springer	*Call No.:*	
- place:	*ISBN:* 1852333057	
- date: 2000	*Shelf*	*Year:* 2000
Subject: Plastic Films - Converting Technology - Paper and Paperboard -		*Price:* $83.50
Desc: 184 p, 6 x 9 Hardcover		



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301 .	Plastic films
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620 .	Converting Technology

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Reviews - Synopsis - Dust Jacket

The goal of this book is to present the theoretical background and practical techniques for the identification and control of sheet and film processes. The reasons why many existing industrial control systems perform poorly for sheet and film processes are explained. Identification and control algorithms which provide consistent and reliable product quality are described and illustrated. These algorithms include an experimental design technique that ensures that informative data are collected during input—output experimentation, model identification techniques that produce a process model and an estimate of its accuracy, and control techniques that take into account actuator constraints as well as robustness to model uncertainties.The algorithms covered in this book are truly state of the art. Variations on some of the algorithms have been implemented on industrial sheet and film processes. Other algorithms are in various stages of implementation. All of the algorithms have been applied to realistic simulation models constructed from industrial plant data; many of these studies are included in this book.From the Preface: "...Sheet and film processes include coating, papermaking, metal rolling, and polymer film extrusion. Coating processes are of great importance to manufacturing, especially in the photographic, magnetic, and optical memory, electronic, and adhesive industries...Improving the control of sheet and film processes is of substantial industrial interest. Improved control of sheet and film properties can mean significant reductions in material consumption, greater production rates for existing equipment, improved product quality, elimination of product rejects, and reduced energy consumption..."Target Audience: Industrial, process, quality, maintenance, and design engineers; technical and operations managers; and upper-level students and academic researchers concerned with the control of sheet and film processes.

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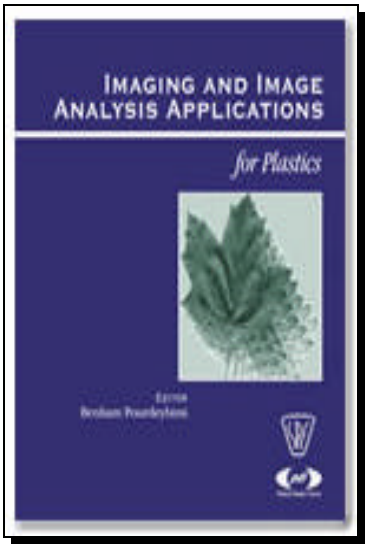
Title	Location	Edition / Series / Misc.

1551 **Imaging and Image Analysis Applications for Plastics**

Author: Behnam Pourdeyhimi, ed.
Publish.: Plastics Design Library
- place:
- date: 1999
Subject: Polymer Characterization
Desc: 315 p., 7 x 8.5 Hardcover

Dynix:
Call No.:
ISBN: 1884207812
Shelf

Edition:
Series:
Year: 1999
Price: $118.50



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613 .	Polymer Characterization

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Flow Visualization for Extensional Viscosity Assessment

Analysis of a HDPE/PDMS System

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Improved Barrier and Mechanical Properties of Laminar Polymer Blends

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CO2-Blown PETG Foams

Tear Strength Enhancement Mechanisms in TPO Films

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Application of Thermography for the Optimization of the Blow Molding Process

The Use of Video and the Development of Solids Conveying Theory

Microcellular PET Foams Produced by the Solid State Process

Thermal Wave Imaging of Propagating Cracks in Polypropylene and a Thermoplastic Olefin

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Reviews - Synopsis - Dust Jacket

This collection of papers illustrates novel imaging techniques and image analysis methods currently used to quanti various aspects of plastics materials and processing. It discusses the use of these methods to study material attribu such as texture, surface roughness, surface uniformity, fiber orientation distribution, fiber diameter distribution, rate o cracking, polymer blend morphology, dispersion of insoluble additives, corrosion, and material weathering.

From the Preface: "...The field of imaging has provided the polymer scientists and the plastics industry with the necessary tools to evaluate parameters that were until recently difficult to quantify...Image analysis is used to monitor/characterize a variety of processes. Examples of processes discussed include: extrusion, injection moldin foam production, film manufacture, compression molding, blow molding, vulcanization, melt spinning, reactive blen welding, conveying, composite manufacture, compounding and thermosetting..."

Target Audience: Technologists, scientists, researchers, and students concerned with imaging and image analysis applications for plastics.

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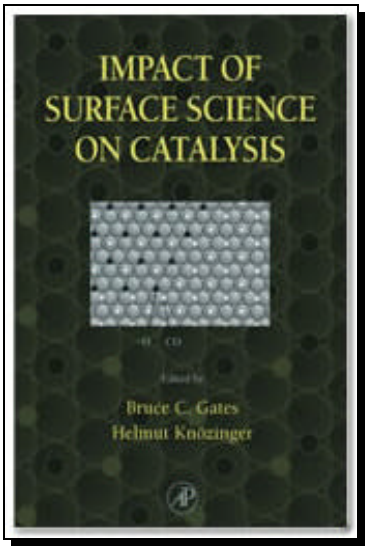
Title	Location	Edition / Series / Misc.

1336 **Impact of Surface Science on Catalysis**

Author: Bruce C. Gates and Helmut Knoezinger, eds.
Publish.: Academic Press
- place:
- date: 2001
Subject: Interfacial Engineering and Surface Science - Surface
Desc: 460 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 122772512
Shelf

Edition:
Series:
Year: 2001
Price: $63.50



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600 .	Interfacial Engineering and Surface Science
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Reviews - Synopsis - Dust Jacket

Surface science emerged in the 1960s with the development of reliable ultrahigh vacuum apparatus, providing exact structures of surfaces of metal single crystals, information about their compositions, and relationships between surface structure and composition and catalytic reaction rates. Catalysis, the acceleration of a chemical reaction by a catalyst, provided much of the driving force for the early development of surface science.Impact of Surface Science on Catalysis dynamics of reactions at surfaces on time scales ranging from 10 of adsorption and surface chemical reactions; adsorption energetics and bonding: femtomole calorimetry and first-principles theory; vibrational spectra of reaction intermediates on catalyst surfaces by sum frequency generation; and more.From the Preface: "...As surface science continues its rapid development, this volume illustrates how it is still driven by the challenges of catalysis and how both theory and scanning tunneling microscopy have forcefully emerged as essential tools. It is also evident how surface science continues to shore up the foundation of catalytic science."Target Audience: Any reader concerned with the relationship of catalysis to surface science.

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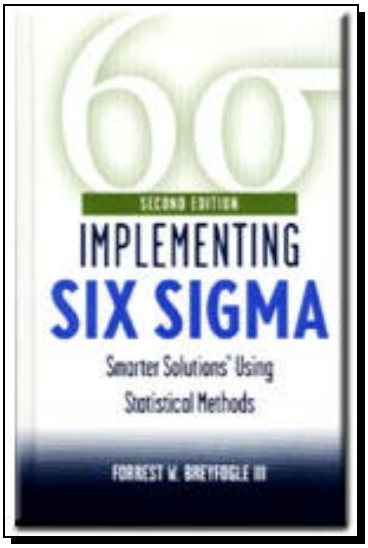
Title	Location	Edition / Series / Misc.

1252 **Implementing Six Sigma: Smarter Solutions Using Statistical Methods, 2nd Ed.**

Author: Forrest W. Breyfogle III
Publish.: John Wiley & Sons
- place:
- date: 2003
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis
Desc: 1226 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471265721
Shelf

Edition:
Series:
Year: 2003
Price: $91.50



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607 .	QA/QC, Statistics, and Testing
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Reviews - Synopsis - Dust Jacket

This significantly revised second edition of Sigma enhanced roadmap which offers a solution to the common problem of sustaining six sigma activities, while downplaying the traditional policy that six sigma projects must have a defined defect. A variety of plans, checklists, metrics, and warnings of potential pitfalls provide thorough preparation for anyone implementing six sigma strategies.From the Preface: “This book provides a roadmap for the creation of an enterprise system in which organizations can significantly improve both customer satisfaction and their bottom line. The described techniques help manufacturing, development, and service organizations become more competitive and/or move them to new heights. This book describes a structured approach for the tracking and attainment of organizational goals through the techniques and other methodologies — throughout the whole enterprise of an organization...”Target Audience: Quality engineers, managers, technicians, and gauging and inspection specialists; process control engineers and managers; and any other practitioner or student concerned with six sigma or continuous improvement programs.

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Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of Corrugated Packaging

LASCT Holdings - maximum detail by Title I

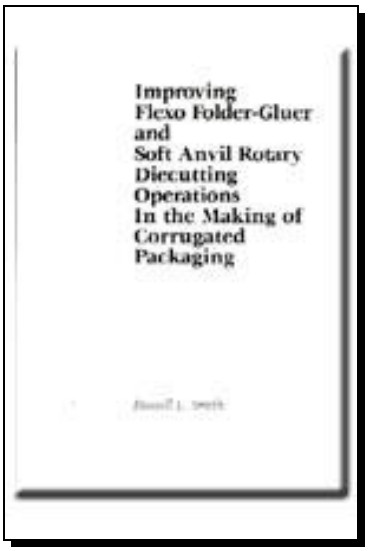
Title	Location	Edition / Series / Misc.

1099 **Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of C**

Author: Russell L. Smith
Publish.: Jelmar Publishing
- place:
- date: 1998
Subject: Converting Technology - Packaging Conformance and Specification
Desc: 485 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1885067135
Shelf

Edition:
Series:
Year: 1998
Price: $115.00



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Improving Stripping Efficiency
Corrugated Box Stacking Strength and Soft Anvil Rotary Diecutting
Want to be a "Top Performer?"
SummaryFlexo Folder-Gluer/Rotary Diecutter Problem Identification Guide is a companion title that enhances the value of this item.

Subjects

620 .	Converting Technology
629 .	Packaging Technology
630 .	Packaging Conformance and Specifications

Reviews - Synopsis - Dust Jacket

This is the distillation of just about everything there is to know about how to operate flexo folder-gluers and soft anvil rotary diecutters, by an expert who has been on both the converting and supplier sides of the corrugated industry. Every item of basic information that you need is included in this single volume, regardless of the make of machinery. It is the consummate operations manual, both explaining the concepts and providing instructions for operation. The section on flexo printing is extensive.The basic text of the TAPPI course on the subject is now available to the widest possible audience. This is the ultimate reference and guide for operating personnel to make superior corrugated packaging.

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In-Mould Decoration of Plastics (Rapra Review Report 146)

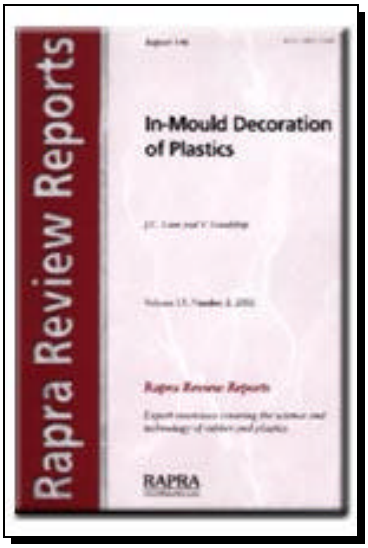
Title	Location	Edition / Series / Misc.

1448 **In-Mould Decoration of Plastics (Rapra Review Report 146)**

Author: J.C. Love and V. Goodship
Publish.: Rapra
- place:
- date: 2002
Subject: Plastics Processing Technology - Coating Processes - Plastic Films
Desc: 128 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859573282
Shelf

Edition:
Series:
Year: 2002
Price: $123.50



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Reviews - Synopsis - Dust Jacket

Many plastic components require that a surface finish be applied before use. This can act as a decorative layer, a protective layer, a layer that smooths out surface defects, a layer that enhances surface properties (such as adhesion enhancement or UV-resistance), or any combination of these effects. The ability to apply the surface effect during the molding process can save time, space, material, and machinery requirements. It also allows processors to supply complete systems, rather than just molded parts.In-mould decoration techniques include the in-mold application of film, in-mold priming, in-mold labeling, and the injection of paints into the mold. The emphasis of this review is on practical applications of the techniques of in-mold decorating, inculding its advantages and disadvantages.From the Introduction: “In-mould decorating covers many techniques in which a fully, or partially, decorated component is achieved directly from the moulding process. The surface or surfaces often have the durability and appearance of paint, although the materials are applied using different methods to traditional post-mould painting..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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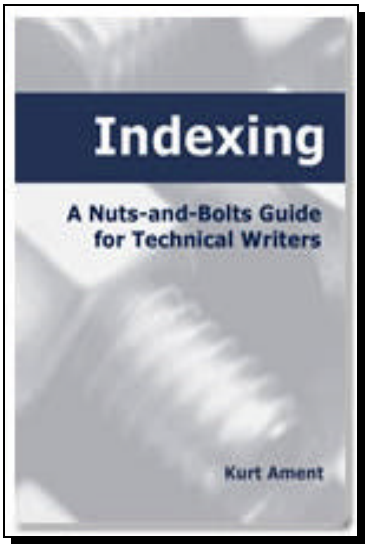
Title	Location	Edition / Series / Misc.

1326 **Indexing: A Nuts-and-Bolts Guide for Technical Writers**

Author: Kurt Ament
Publish.: William Andrew
- place:
- date: 2001
Subject: General Reference - Recommend this Site
Desc: 108 p, 6.7 x 9 Paperback

Dynix:
Call No.:
ISBN: 815514816
Shelf

Edition:
Series:
Year: 2001
Price: $28.50



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604 .	General Reference
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This nuts and bolts guide to indexing explains in plain language and by example exactly how to index any type of print or online documentation quickly, easily, and effectively. The sequential indexing method presented in this guide has been successfully tested in high-pressure publishing environments in a variety of high tech industries over the past decade. Its foundation in real-world success makes its methodology bulletproof.Indexing: A Practical Guide for Technical Wr reader the information required for both immediate and continued success. It presents a highly structured indexing method that can be customized to meet the specific needs of the user; this extends its utility to a broad range of companies and products.From the Introduction: "...To achieve usability, reusability, and reliability, this guide explains indexing on three levels — 1) About indexing: This chapter introduces the sequential indexing method. A structural overview of products, product documentation, and document indexes explains why the sequential indexing method is so successful; 2) Start indexing: This chapter contains sequential step-by-step procedures. These procedures explain exactly how to index any type of document, from start to finish. Each procedure step contains cross-references to detailed indexing guidelines [detailed in the following chapter]; 3) Indexing guidelines: This chapter contains detailed indexing guidelines. These guidelines explain everything from indexing acronyms to creating 'see also' references to building master indexes...Each guideline contains positive and negative examples as well as cross-references to related guidelines and procedures..."Target Audience: Technical writers and editors throughout the world; technical publications managers; and teachers and students of technical communication.

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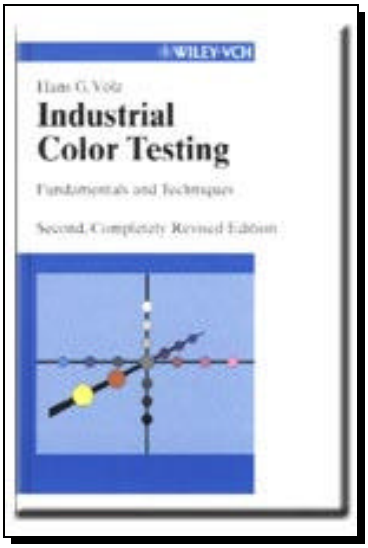
1147 **Industrial Color Testing: Fundamentals and Techniques, 2nd Ed.**

Author: Hans G. Volz
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: Color Theory, Testing, and Analysis - Paints and Protective Coating
Desc: 390 p, 6.8 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527304363
Shelf

Edition:
Series:
Year: 2001
Price: $171.50



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Reviews - Synopsis - Dust Jacket

All color phenomena that we can observe in coatings have their origin in the interaction between the coating material and visible light. This interaction produces absorption and scattering, which in practice determine the optical behavior of materials.This completely revised second edition of Fundamentals and Techniques focusing on the practical and theoretical aspects of testing pigments, dyes, and pigmented and dyed coatings. It provides broad descriptions of the underlying principles, which will be of especial benefit to newcomers to the field; moreover, its in-depth treatment makes it an ideal reference for experts, answering questions arising in the production, processing, and application of coloring materials in binders.From the Preface: "...It is often not enough to be familiar with the procedure used in a test; more must be known about the quantity being measured and the way in which it varies as a function of other parameters — in brief, about its physicochemical habit, which is embedded in the well-known fields of chemistry and physics. This is especially important when test methods are to be rationalized; rationalization requires computers, and all computer use is based on applied mathematics. Effective rationalization is possible only when the mathematical and physical background of the quantitites being measured is kept fully in view. The lack of suitable worked-out examples to illustrate test methods often creates difficulties in practice as well. This book should help close the gap by providing at least one practical example for each of the test methods described..."Target Audience: All technical personnel involved with coatings, pigments and dyes, whether as manufacturers, converters, or consumers, including engineers in industry, research scientists, educators and students.

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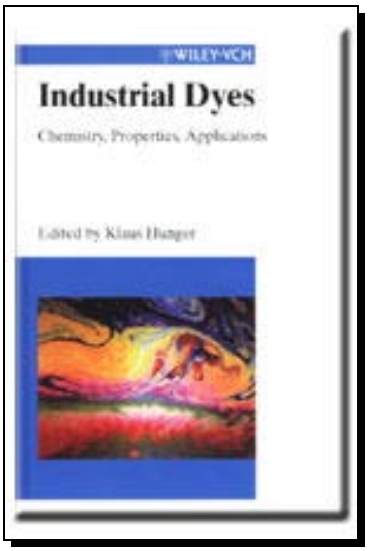
Industrial Dyes: Chemistry, Properties, Applications

Title	Location	Edition / Series / Misc.
1424 **Industrial Dyes: Chemistry, Properties, Applications**		*Edition:*
Author: Klaus Hunger, ed.	*Dynix:*	*Series:*
Publish.: Wiley - VCH	*Call No.:*	
- place:	*ISBN:* 3527304266	
- date: 2003	*Shelf*	*Year:* 2003
Subject: Pigments, Dyes, and Colorants - Color Theory, Testing, and Analys		*Price:* $223.50
Desc: 684 p, 6.5 x 9.5 Hardcover		



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631 .	Textiles and Nonwovens

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Reviews - Synopsis - Dust Jacket

This reference work provides a comprehensive review of the chemistry, properties, and applications of the most important groups of industrial dyes, including optical brighteners and the latest developments in the area of functional dyes. Chapters two through five comprise the bulk of this volume.From the Preface: “A great deal of single papers on color chemistry have been published over the years. Their subjects are preferably theoretical or physico-chemical considerations of dye chemistry. On the other hand, the knowledge of dye chemistry from a technical point of view is almost entirely concentrated in the chemical industry. Apart from lectures given at the very few conferences on color chemistry, the current state of industrial dye chemistry can only be extracted from the patent literature. There is little else being published on dyes, especially on industrial dyes and their applications. This prompted us to write a reference book comprising the principal classes of industrially produced dyes with their syntheses, properties and main applications as well as a toxicological, ecological and legal survey of dyes...”Target Audience: Professional chemists, engineers, researche technicians working in the synthesis, production, manufacture, or application of dyes.

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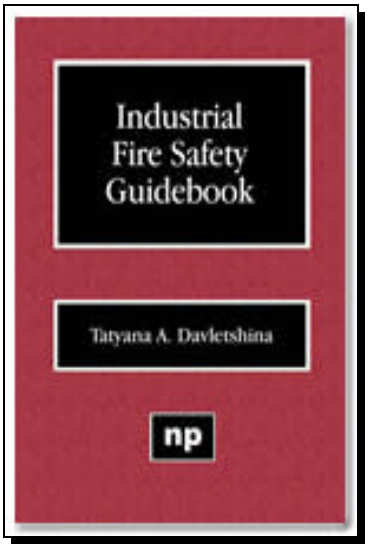
Title	Location	Edition / Series / Misc.

1243 **Industrial Fire Safety Guidebook**

Author: Tatyana A. Davletshina
Publish.: Noyes Publications
- place:
- date: 1998
Subject: Health. Safety. and the Environment - Recommend this Site
Desc: 540 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514204
Shelf

Edition:
Series:
Year: 1998
Price: $113.50



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Reviews - Synopsis - Dust Jacket

Fire situations pose one of the most serious problems in an industrial setting, with potential loss of lives and property, as well as damage to the environment. Proper response by trained personnel, in concert with careful preplanning, minimizes the risk and extent of damage caused by fire. This reference presents considerable information and technical data on petroleum based products, as well as coverage of various other chemicals. The presentation is practical in nature, to assist both training safety personnel and to provide technical information that can assist in responding to a hazard material incident that could lead to a fire hazard situation.From the Introduction: "...Justification for a fire prevention program (including budget, personnel, equipment, and time) can be proven by quantitative evidence. A proper record keeping system of all activities including inspections, hazard abatement, fire protection systems installations, and educational programs will prove valuable in this area. Using an analysis of the results in these areas can indicate the successfulness of plant fire prevention efforts..."Target Audience: Primarily intended for emergency repsonse perso plant safety specialists, and emergency response coordinators.

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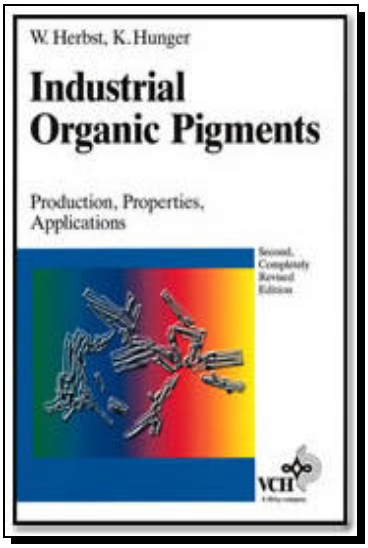
Title	Location	Edition / Series / Misc.

1549 **Industrial Organic Pigments: Production, Properties, Applications, 3rd Ed.**

Author: Klaus Hunger and Willy Herbst
Publish.: Wiley - VCH
- place:
- date: 2004
Subject: Pigments, Dyes, and Colorants
Desc: 675 p., Hardcover

Dynix:
Call No.:
ISBN: 3527305769
Shelf

Edition:
Series:
Year: 2004
Price: $191.50



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626 . Pigments, Dyes, and Colorants

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Polycyclic Pigments: Phthalocyanine Pigments, Quinacridone Pigments, Vat Dyes Prepared as Pigments, Perylen Perinone Pigments, Diketopyrrolo-pyrrole (DPP) Pigments, Thioindigo Pigments, Various Polycyclic Pigments, Dioxazine Pigments, Quinophthalone Pigments, Triarylcarbonium Pigments

Miscellaneous Pigments

Ecology, Toxicology, Legislation

Review of Chemical Structures and Chemical Reactions

List of Commercially Available Pigments

Index

Reviews - Synopsis - Dust Jacket

This acclaimed reference work, now in its second edition, remains the most comprehensive source of information available on synthetic organic pigments. It provides information on synthesis, reaction mechanisms, physical and chemical properties, test methods (standaradized methods have been employed to obtain data which can be comp across pigments), and applications in the world market. Recommended.

From the Preface: “Organic pigments — the increasingly most important group of organic colorants worldwide — h never yet been treated comprehensively with respect to their industrial significance and their application properties. this book we have tried to give an account of the chemistry, the properties, and applications of all commercially produced organic pigments...”

Target Audience: Chemists, engineers, colorists, and technicians working with organic pigments; also interested students and academic researchers.

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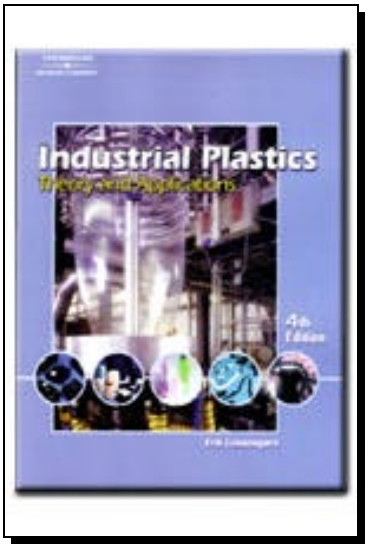
Title	Location	Edition / Series / Misc.

1095 **Industrial Plastics: Theory and Applications, 4th Ed.**

Author: Erik Lokensgard
Publish.: Delmar
- place:
- date: 2004
Subject: Plastics Processing Technology - General Reference
Desc: 546 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1401804691
Shelf

Edition:
Series:
Year: 2004
Price: $76.50



Subjects

604 .	General Reference
628 .	Plastics Processing Technology

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Historical Introduction to Plastics
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Casting Processes and Materials
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Decoration Processes
Radiation Processes
Design Considerations
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Appendices: Glossary; Abbreviations for Selected Materials; Trade Names and Manufacturers; Material Identification; Thermoplastics; Thermosetting Plastics; Useful Tables; Sources of Help and Bibliography
Index

Reviews - Synopsis - Dust Jacket

The fourth edition of
Applications
and processes employed in the plastics industry — current technologies and manufacturing methods are the keystones for this introductory text. Subjects covered include plastics recycling, ISO and ASTM test specifications, and current health and safety standards. There is a new section on nano-composites and their applications in the automotive industryFrom the Preface: “[This book] covers all facets of industrial plastics technology, as well as major manufacturing processes, serving as an indispensable resource for those individuals enrolled in polymer technology or plastics technology programs at community colleges, technical colleges, and universities. Comprehensive in nature, professionals who wish to review the basics, and remain up-to-date on the latest technology in plastics manufacturing will also find this text useful...”Target Audience: Introductory-level students concerned with plastics processing technology; also a valuable overview and quick reference to newcomers to the field.

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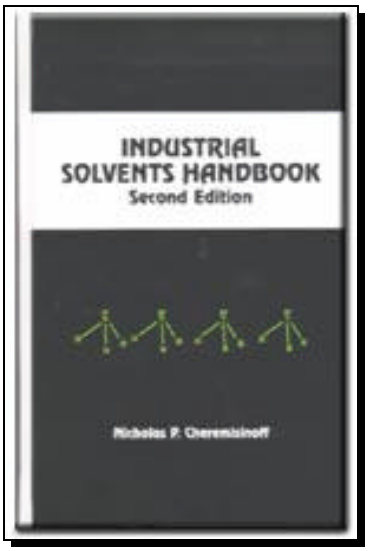
Title	Location	Edition / Series / Misc.

1483 **Industrial Solvents Handbook, 2nd Ed.**

Author: Nicholas P. Cheremisinoff
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Solubility and Surfactants - Health, Safety, and the Environment -
Desc: 358 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824740335
Shelf

Edition:
Series:
Year: 2003
Price: $153.50



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605 .	Solubility and Surfactants
617 .	Paints and Protective Coatings
623 .	Health, Safety, and the Environment

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Properties and Selection of Organic Solvents:
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Reviews - Synopsis - Dust Jacket

Keeping pace with current trends in solvent production, this volume builds upon its previous edition (which was authored by Dr. Wesley L. Archer), with broader coverage of safe handling practices, health effects, physical properties, and chemical synthesis routes to some of the most important organic solvents used in the chemical and allied process industries. Key features include a glossary of solvent terminology and an easy-to-reference index of synonymous terms for chemicals and solvents.The second edition includes new inform on Hansen solubility theory as the primary foundation for proper solvent selection on the basis of miscibility; chemical-specific profiles of major solvents and other chemicals in coating and blending applications; health, toxicity, and combustibility characteristics; and much more.From the Preface: “This volume is devoted to the use and selection industrial solvents. The use of solvents is virtually universal for almost any manufactured item one can think of. One example is the coating industry. Practically every manufactured product requires a coating...Solvents are also extensively used throughout the polymer industry for making polymer blends and various resins, in the synthesis of intermediates, and in the polymerization of a multitude of products...”Target Audience: Chemists; chemical enginee researchers and technicians in related industries; and upper-level students concerned with industrial solvents.

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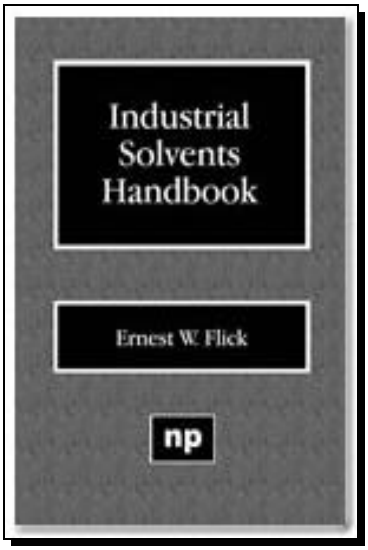
Title	Location	Edition / Series / Misc.

1248 **Industrial Solvents Handbook, 5th Ed.**

Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 1998
Subject: Solubility and Surfactants - General Reference - Health. Safety. and
Desc: 996 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 815514131
Shelf

Edition:
Series:
Year: 1998
Price: $138.50



Subjects

604 .	General Reference
605 .	Solubility and Surfactants
623 .	Health, Safety, and the Environment

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Trade Name Index

Reviews - Synopsis - Dust Jacket

Completely revised and vastly expanded, the fifth edition of the Industrial Solvents Handbook reference volume designed primarily for the chemical and other process industries. It contains a wealth of information on the physical properties of solvents and on the solubilities of a variety of materials in those solvents, and will prove uniquely helpful when it becomes necessary to select a new or replacement solvent for use in almost any industrial process. The comparative data for various solvents presented in the last chapter are especially valuable. Over 1,200 tables.From the Foreword: "...The over 1,200 tables in this book cont basic data on the physical properties of most solvents and on the solubilities of a variety of materials in these solvents. Even phase diagrams for multicomponent systems are included. Particularly valuable are the HPLC and UV data for various solvents provided in the last chapter. The contents of the tables were selected by the editor mainly from manufacturers' literature at no cost to, nor influence from, the manufacturers or distributors of these solvents. The source of each table is indicated..."Target Audience: Chemists, chemical engineers, formulators, students, and others in the chemical and process industries who require ready data on industrial solvents.

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Infrared and Raman Spectroscopy of Polymers (Rapra Review Report 134)

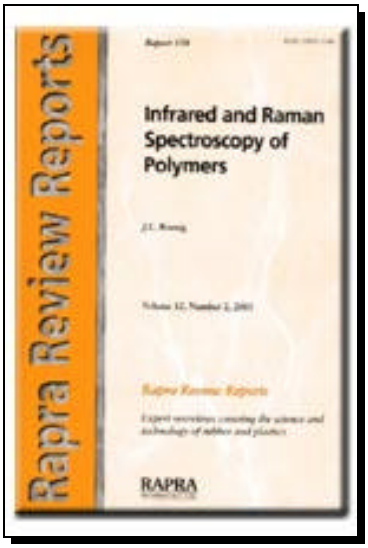
Title	Location	Edition / Series / Misc.

1323 **Infrared and Raman Spectroscopy of Polymers (Rapra Review Report 134)**

Author: J.L. Koenig
Publish.: Rapra
- place:
- date: 2001
Subject: Polymer Characterization - Polymer Science
Desc: 148 p, 8.3 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859572847
Shelf

Edition:
Series:
Year: 2001
Price: $123.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

Vibrational spectroscopy is advantageous as an analytical tool for polymers and comprises two complementary techniques: infrared (IR) and Raman spectroscopy. This report presents an overview of how these methods can be employed to provide information about complex polymeric macromolecules with respect to composition, structure, conformation, and intermolecular interactions.Infrared and Raman Spectroscopy of Polymers elementary theory of vibrational spectroscopy and its use as a structural tool; presents an overview of sampling techniques; and discusses the application of IR and Raman spectroscopy to polymer characterization, including crystallinity, conformation, and orientation.Rapra Review Reports contain a brief overview of the topic, fo by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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Title	Location	Edition / Series / Misc.

1364 **Ink Trapping and Colorimetric Variation**

Author: Anthony P. Stanton
Publish.: GATF
- place:
- date: 2001
Subject: Printing Technology - Experimental Design and Analysis - Inks and
Desc: 48 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 883623773
Shelf

Edition:
Series:
Year: 2001
Price: $63.50

Subjects

603 .	Inks and Coatings
624 .	Printing Technology
627 .	Experimental Design and Analysis

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Appendix C: Trapping Calculations from 100 Consecutive Samples
Appendix D: L*a*b* Coordinates for Blue, Green, and Red Solids from 100 Consecutive Samples
Appendix E: Scatterplots from 100 Continuous Samples
Appendix F: Delta Traps and CIE94 Color Differences for All Experimental Conditions
Appendix G: Regressions Between Changes in Trapping and CIE94 Color Differences for All Overprint Colors
References

Reviews - Synopsis - Dust Jacket

The absence of ink trapping values from most industry specifications is puzzling in light of the persistence of measuring ink trapping as a process control parameter in many printing companies. This contradiction spurred this research study, which addresses the following questions: Do changes in trap values correlate with perceptual changes of overprint colors? And, which trap calculation method is the most sensitive to colorimetric changes?The evaluation compared four equations for calculating ink trapping, with respect to their correlations with color differences measured by the CIE94 equation. A single color difference formula (CIE94) was selected after comparative calculations were made with three color difference formulas. The history of ink trapping is reviewed, and five different equations that have been proposed over the past 45 years are presented. The study also inclueds a brief review of different approaches to measuring color differences.From the Introduction: "...The goals were to determine if ink trapping is a useful process control parameter, and if so, which trapping equation should be used. The ink trapping data from the 1998 GATF Print Attributes Study were examined to find the average trapping values for sheetfed lithography on gloss-coated paper, and to see whether this parameter was normally distributed across printing companies..."Target Audience: Professionals in the printing and graphic arts industries who are concerned with ink trapping and colorimetric variance.

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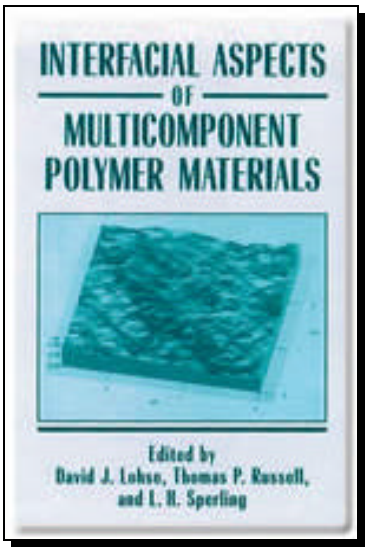
Title	Location	Edition / Series / Misc.

1082 **Interfacial Aspects Multicomponent Polymer Materials**

Author:
Publish.: Plenum Press
- place:
- date: 1997
Subject: Polymer Surface Chemistry - Composites, Laminates, and Fibers -
Desc: 309 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 306457180
Shelf

Edition:
Series:
Year: 1997
Price: $158.50



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
625 .	Composites, Laminates, and Fibers

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Reviews - Synopsis - Dust Jacket

This collection of papers, originally presented at the August 1996 ACS symposium held in Orlando, FL, addresses polymer blend and composite interfaces. It includes a review, theoretical discussions, and descriptions of novel instrumentation, experiments, and applications.From the Preface: "...Polymer blends and composites usually contain very finely divided phases, which are literally full of interfaces. Because interfaces are frequently weak mechanically, they pose special problems in the manufacture of strong, tough plastics, adhesives, elastomers, coatings, and fibers. This book provides a series of papers addressing this issue..."Target Audience: Industrial or academic scientists and technologists who are interested in polymer interfaces; also polymer science libraries.Partial Table of Contents:Introduction to Interfacial Aspects of Multicomponent Polymer MaterialsImproved Compatibilization of Immiscible Homopolymer Ble Using Copolymer Mixtures
Polyelectrolytes at Interfaces: Pattern Recognition
Adsorption and Wetting from Tunable Polyolefin Mixtures
Strength of the PC-SAN Interface as Determined by Delamination of Polymer Microlayers
The Formation of Polymer Monolayers: From Adsorption to Surface Initiated Polymerizations
Pulsed NMR Studies on the Interfacial Structure of the Block Copolymers of Styrene and Isoprene with Variable Interface
Compatibilization of HDPE/PS Blends by Tapered Diblock PE—PS CopolymersWettabilities and Adhesive-Autohesi Properties of Poly(Tetrafluoroethylene) Surfaces Photografted with Hydrophilic Monomers
Siloxane Terpolymers as Compatibilizers for Polymer Blends
Molecular Design of Reactive Compatibilizers for Polypropylene—Nitrile Butadiene Rubber Blends
Transition-Metal Compatibilization of Polymer Blends
Development of Optical Fiber/Polymer Interface for Immobilized Sensors
Characterization of Multilayered Automotive Paint Systems Including Depth Profiling and Interface Analysis
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Title	Location	Edition / Series / Misc.

1247 **Interfacial Dynamics**

Author: Nikola Kallay, ed.
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Interfacial Engineering and Surface Science - Polymer Surface
Desc: 750 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824700066
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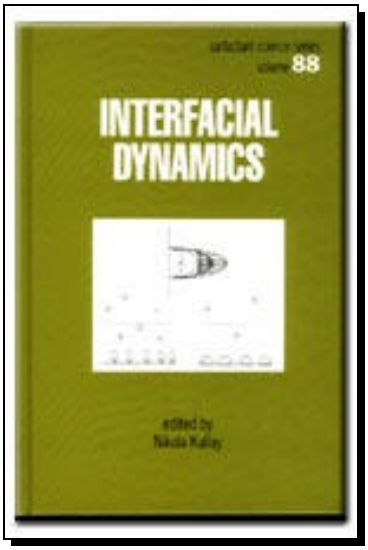
Edition:
Series:
Year: 2000
Price: $168.50



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
624 .	Printing Technology

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Quantitative Analysis of Protein Adsorption Kinetics
Microcalorimetric Studies of Biomaterials at Interface
Kinetics and Mechanisms of Crystal Growth in Aqueous Systems
Dissolution of Calcium Hydroxyapatite
Interfacial Chemistry of Dissolving Metal Oxide Particles: Dissolution by Organic Acids
Ion Transport and Electrical Conductivity in Heterogeneous Systems: The Case of Microemulsions
Electrical Behavior of Inorganic Thin Films in Electrolyte Media
Thermosensitive Gels
Vapor Adsorption Isotherms of Medium-Sized Alcohols on Various Solids and the Behavior of Adsorbed Molecules
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Applications of Surfactants in Liquid Printing Inks
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Reviews - Synopsis - Dust Jacket

This volume illuminates kinetics and equilibrium at interfaces, describing experimental methods, discussing data interpretation, and presenting results for various experimental systems. It thoroughly examines the theoretical foundations of solid—liquid interfaces, as well as state-of-the-art industrial applications, including a discussion of surfactants in liquid printing inks.. Vital analysis tools such as atomic force microscopy (AFM), surface force apparatus (SFA) measurements, and photon correlation spectroscopy (PCS) are evaluated.From the Preface: “The aim of this book is to present up-to-da knowledge in the field of interfacial phenomena. Many of the chapters concentrate on the solid—liquid interfaces but other systems are also presented. The book covers fundamentals, special topics, and applications. It consists of 20 chapters written by numerous internationally recognized experts...”Target Audience: Physical, surface, and colloid chemists; chemical, materials, and inorganic scientists and engineers; and graduate students concerned with interfacial dynamics.

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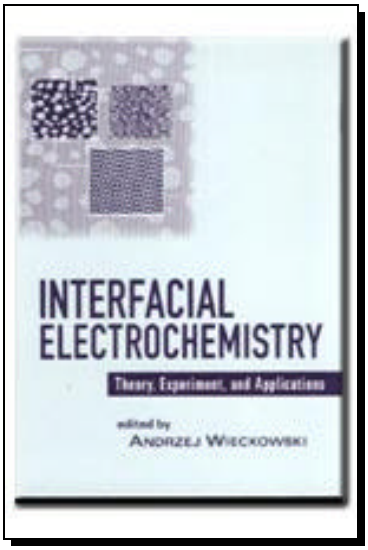
Title	Location	Edition / Series / Misc.

1399 **Interfacial Electrochemistry: Theory, Experiment, and Applications**

Author: Andrzej Wieckowski, ed.
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: Interfacial Engineering and Surface Science - Colloids and
Desc: 992 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 82476000
Shelf

Edition:
Series:
Year: 1999
Price: $198.50



Subjects

600 .	Interfacial Engineering and Surface Science
609 .	Materials Science
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

This exhaustive reference/text probes contemporary topics and fully reviews the most recent progress in interfacial electrochemistry. Presenting the latest in theory, experimentation, and applications, Interfacial Electrochemistry of electrochemical surface science, with extensive coverage of various electrochemical, thermodynamic, and physical methods used to further the understanding of the interface on the molecular level.It investigates the effect of electrode surface structure on interfacial reactivity; surveys progress in the comprehension of charge transfer reactions; demonstrates the strengths of FTIR, synchrotron x-ray methods, and scanning tunnel microscopy (STM); explores the benefits of the flame annealing technique in the preparation of single-crystal surfaces for in situ surface spectroscopy/diffraction use; and much more. Each one of the fifty chapters includes an abstract, offering the reader a concise overview of each individual subject. There are over 1,500 drawings, photographs, micrographs, tables, and equations.From the Foreword: "...This volume presents accounts many of the outstanding developments of the past two decades, by the scientists from various disciplines who have been attracted to the study of electrochemical interfaces by the possibility of making significant progress in understanding this important type of system. Their names guarantee the great interest of the articles, which refelct the current state of knowledge of electrochemistry at the molecular level..."Target Audience: Electrochemists; surface, colloid, analytical, physical, theoretical, industrial, and organic chemists and biochemists; materials and chemical engineers; physicists; and upper-level students in these disciplines.Partial Table of Contents:
Theory and Modeling:
Theoretical Modeling of the Solid—Liquid Interface: Chemically Specific Simulation Methods
Theory of the Metal—Electrode Interface
Structure of Water at the Water—Metal Interface: Molecular Dynamics Computer Simulations
Electronic Structure Calculations of Polyatomic Oxyanions Adsorbed on Metal Surfaces
Interfacial Electron Transfer in Electrochemistry and In Situ Scanning Tunnel MicroscopyElectrochemical Surface Science:
Electrochemical Processes Involving H Adsorbed at Metal Electrode Surfaces
Reconstruction of Gold Surfaces
Atomic-Scale Aspects of Anodic Dissolution of Metals: Studies by In Situ Scanning Tunnel Microscopy
Auger Spectroscopy of Electrode Surfaces
Flame-Annealing and Cleaning Technique
Sum and Difference Frequency Generation at Electrode Surfaces
A Fourier Transform Infrared Spectroscopy Approach to Double-Layer and Electrocatalysis Problems
Second Harmonic Generation Anisotropy from Single Crystalline Electrode Surfaces
Amphiphilic and Ionic Surfactants at Electrified Interfaces

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Electrochemistry, Spectroscopy, and Scanning Tunnel Microscopy Images of Small Single-Crystal Electrodes
Surface Science Studies of Organic Monolayer Corrosion Inhibitors
Structure of Thin Anodic Oxide Films Formed on Single-Crystal Metal Surfaces
Surface Oxidation of Noble Metal Electrodes
Differential Electrochemical Mass Spectrometry as a Tool for Interfacial Studies
Electrode—Solution Interface Studied with Electrochemical Quartz Crystal NanobalanceNonmetallic and Semiconductor Electrodes: Electrochemical Properties of Carbon Surfaces
Bulk and Surface States of Reactive Oxide Films: An Extended Semiconductor Model with Ti, Ni, and Fe as Examples
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Electrocatalysis at Well-Defined Surfaces: Kinetics of Oxygen Reduction and Hydrogen Oxidation/Evolution on Pt(hkl) Electrodes
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Synergetic Effects of Surface Active Sites on the Hydrogen Evolution Reaction
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Title	Location	Edition / Series / Misc.

1081 **Interfacial Phenomena and Bioproducts**

Author: John L. Brash and Peter W. Wojciechowski, eds.
Publish.: Marcel Dekker
- place:
- date: 1996
Subject: Biopolymers and Medical Applications - Colloids and Emulsions -
Desc: 521 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824796519
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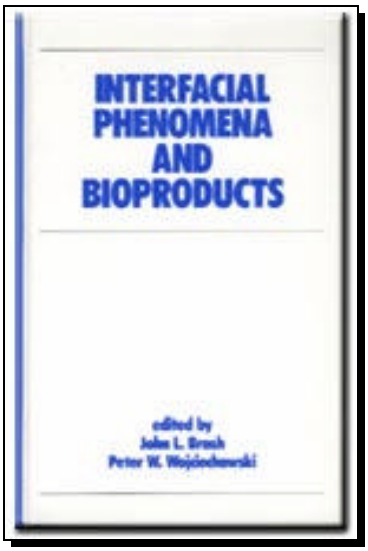
Edition:
Series:
Year: 1996
Price: $123.50



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600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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Theoretical Models for Polymer Adsorption
Statistical Mechanics of Protein Adsorption
Transport and Adsorption of Cells and Proteins at Interfaces
Spectroscopic and Other Techniques for Studying Adsorption of
Bioproducts at Interfaces
Some Methodological Aspects of the Wettability Gradient MethodSome Applications and Current Research:
Bioactive Peptides and Surface Design
Immobilized Enzymes and Cells
Cell Culturing: Surface Aspects and Considerations
Proteins on the Surfaces of Food Emulsions: Adsorption, Structure, and
Emulsion Stability
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Reviews - Synopsis - Dust Jacket

This book presents a synopsis of the theoretical principles and practical experience concerning the interfacial behavior of bioproducts. Comprehensive coverage ranges from the fundamentals of bioproduct and solid surface structure to the interactions of multicomponent mixtures in heterogeneous systems.From the Preface: “Bioprocesses typically involve multicomponent systems, with tissue cells, microbes, proteins (including glycoproteins and lipoproteins), polysaccharides, and smaller molecular species, all dissolved or suspended in an aqueous fluid. The macromolecular and cellular `bioproducts' in such processes are amphipathic and usually prefer to exist at interfaces..."Target Audience: Scientists, technologists, engineers, and other professionals in the biotechnology and medical devices industries.

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Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)

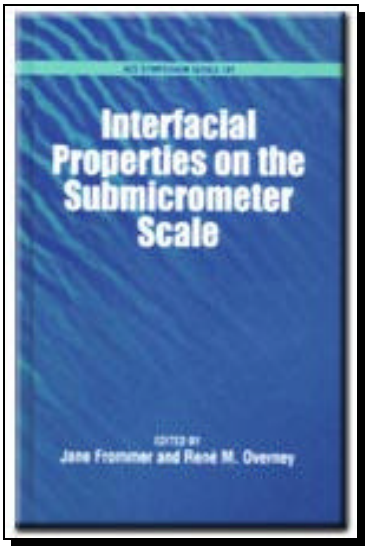
Title	Location	Edition / Series / Misc.

1471 **Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)**

Author: Jane Frommer and Rene M. Overney, eds.
Publish.: American Chemical Society
- place:
- date: 2001
Subject: Interfacial Engineering and Surface Science - Materials Science -
Desc: 360 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841236917
Shelf

Edition:
Series:
Year: 2001
Price: $103.50



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600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis
609 .	Materials Science

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Microthermomechanical Probing of Thin Composite Polymer FilmsSurface Films and Coatings:
Structural Properties of Self-Assembled Monolayers on Gold Generated
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Electromechanical and Infrared Analysis of Alkoxyaniline Derivative
Monolayers on Gold
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Reviews - Synopsis - Dust Jacket

This volume deals with the ever-diminishing interfaces that are resulting as device dimensions scale down. Topics include nanomechanical properties and structures of thin films in contrast to their bulk counterparts; viscoelasticity, microroughness, and friction, particularly in polymers; advances in instrumentation such as scanning probes, x-ray scattering, sum frequency generation spectroscopy, and nanorheometers; the origin of film properties via tailored molecular modification of film components; molecular dynamics simulations and modeling of interfaces; and more.From the Preface: "....Processes that are affected by interfacial constraints or size limitations include wetting, diffusion, friction, lubrication, phase transitions, catalytic reactions, and chemical reactivity. Modern device technologies, such as microelectronics and biotechnology, demand precision and control in material processes. It is increasingly important for today's technological processes to be based on a fundamental understanding of material properties of solids and fluids in submicrometer boundary regime at interfaces: the increasingly `diminishing' interfaces as device dimensions scale down..."Target Audience: Academic or industrial scientists,

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researchers, and
development technologists involved with interfacial properties on the submicrometer scale.

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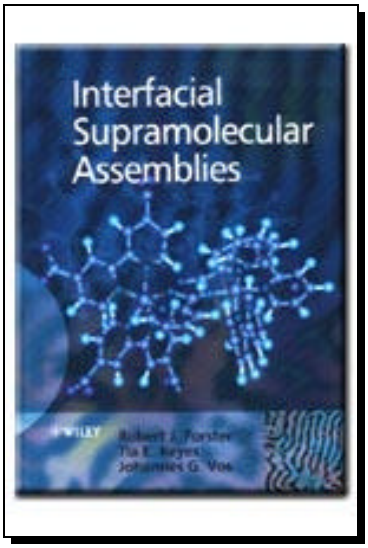
Title	Location	Edition / Series / Misc.

1502 **Interfacial Supramolecular Assemblies**

Author: Johannes G. Vos, Robert J. Forster, and Tia E. Keyes
Publish.: John Wiley & Sons
- place:
- date: 2003
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Desc: 328 p, 7.4 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 471490717
Shelf

Edition:
Series:
Year: 2003
Price: $196.50



Subjects

600 .	Interfacial Engineering and Surface Science
715 .	Recommend this Site

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Introduction
Theoretical Framework for Electrochemical and Optical Processes
Methods of Analysis
Formation and Characterization of Modified Surfaces
Electron and Energy Transfer Dynamics
Interfacial Electron Transfer Processes at Modified Semiconductor Surfaces
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Reviews - Synopsis - Dust Jacket

This book describes the properties of supramolecular assemblies that are constructed on solid platforms in which the properties of the support play a significant role in the overall properties of the system. In a novel, highly integrated manner, it describes the fabrication and characterization of interfacial supramolecular assemblies; the properties and functions of suitable platforms; issues of electronic and photonic addressability; and much more.From the Introduction: "...[K]ey examples of advances that have significantly influenced the field and will direct its future development are presented. In addition, some of the analytical methods, theoretical treatments and synthetic tools, which are being applied in the area of interfacial supramolecular chemistry and are driving its rapid development, will be highlighted..."Target Audience: Researchers and upper-level students of supramolecular chemistry, photophysics, electrochemistry and functional materials.

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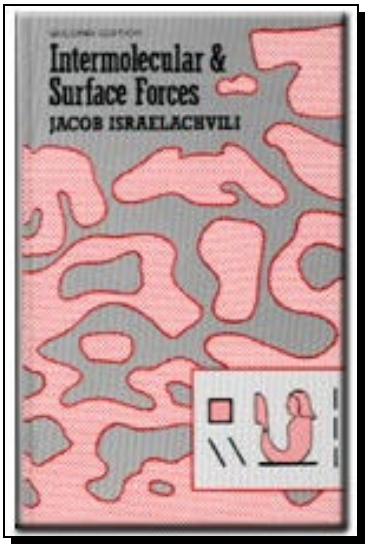
Title	Location	Edition / Series / Misc.
1548 **Intermolecular & Surface Forces, 3rd Ed.**		*Edition:*
Author: Jacob N. Israelachvili	*Dynix:*	*Series:*
Publish.: Academic Press	*Call No.:*	
- place:	*ISBN:* 0123751829	
- date: 2003	*Shelf*	*Year:* 2003
Subject: Interfacial Engineering and Surface Science		*Price:* $61.50
Desc: 600 p., 6 x 9 Hardcover		



Subjects

600 .	Interfacial Engineering and Surface Science

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The Forces Between Atoms and Molecules — Principles and Concepts:

Historical Perspective

Some Thermodynamic Aspects of Intermolecular Forces

Strong Intermolecular Forces: Covalent and Coulomb Interactions

Interactions Involving Polar Molecules

Interactions Involving the Polarization of Molecules

van de Waals Forces

Repulsive Forces, Total Intermolecular Pair Potentials and Liquid Structure

Special Interactions: Hydrogen-Bonding, Hydrophobic and Hydrophilic Interactions

The Forces Between Particles and Solids:

Some Unifying Concepts in Intermolecular and Interparticle Forces

Contrasts Between Intermolecular, Interparticle and Intersurface Forces

van de Waals Forces Between Surfaces

Electrostatic Forces Between Surfaces in Liquids

Solvation, Structural and Hydration Forces

Steric and Fluctuation Forces

Adhesion

Fluid-like Structures and Self-assembling Systems — Micelles, Bilayers, and Biological Membranes:

Thermodynamic Principles of Self-assembly

Aggregation of Amphiphilic Molecules into Micelles, Bilayers, Vesicles, and Biological Membranes

The Interactions Between Lipid Bilayers and Biological Membranes

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Reviews - Synopsis - Dust Jacket

This text describes the rules of various intermolecular and interparticle forces in determining the properties of simple systems such as gases, liquids, and solids, but especially of more complex colloidal, polymeric, and biological sy It provides a thorough grounding in theories and concepts of intermolecular forces, allowing students and researche recognize which forces are important in any particular system and how to control these forces. It includes coverage

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surface force measurements, solvation and structural forces, hydration and hydrophobic forces, and ion-correlation forces. Still highly recommended.

From the Preface: "...This subject...touches on a very broad area of phenomena in physics, chemistry, chemical engineering and biology in which there have been tremendous advances in the past 15 years. These advances ca viewed in isolation within each discipline or within a broader multidisciplinary framework. The latter approach is ad in this book, where I have tried to present a general view of intermolecular and surface forces with examples of the various and often seemingly disparate phenomena in which they play a role..."

Target Audience: Students and researchers in industry and academia involved in physical chemistry, molecular chemical physics, chemical engineering, and biochemistry.

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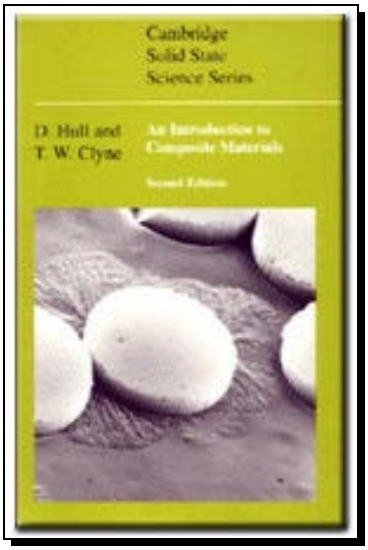
Title	Location	Edition / Series / Misc.

1231 **Introduction to Composite Materials, 2nd Ed.**

Author: D. Hull and T.W. Clyne
Publish.: Cambridge University Press
- place:
- date: 1996
Subject: Composites. Laminates. and Fibers - Materials Science - Wear.
Desc: 342 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 521388554
Shelf

Edition:
Series:
Year: 1996
Price: $41.50



Subjects

609 .	Materials Science
614 .	Wear, Weathering, and Tribology
625 .	Composites, Laminates, and Fibers

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Reviews - Synopsis - Dust Jacket

This book provides a comprehensive overview of composite materials. In describing their production, properties, and usage, it crosses the borders of many disciplines, from the physics and chemistry of the materials themselves to their design and applications in engineering. It analyzes both the theoretical and practical aspects of the subject.This second edition of has been extensively revised and expanded, with new material on polymeric, metallic, and ceramic matrices; reinforcement in the form of long fibres, short fibres, and particles; toughness and thermal properties; the fabrication and applications of composites; and an outline of use of the Eshelby method. Additional topics covered include the properties of fibres, matrices, laminates, and interfaces; elastic deformation; stress and strain; strength; fatigue crack propagation and creep resistance; deterioration under environmental conditions; and more.From the Preface: “A book on composite materials which is comprehensive would embrace large sections of materials science, metallurgy, polymer technology, fracture mechanics, applied mechanics, anisotropic elasticity theory, process engineering and materials engineering...This book takes a rather narrower view of the subject since its main objective is to provide for students and researchers, scientists and engineers alike, a physical understanding of the properties of composite materials as a basis for the improvement of the properties, manufacturing processes and design of products made from these materials...”Target Audience: Primarily intended as an upper-level undergraduate teaching text, this book will also be valuable for those involved in academic or applied technological research into materials science and engineering.

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Title	Location	Edition / Series / Misc.

1105 **Introduction to Composites, 4th Ed.**

Author: Tara E. Miller, ed.
Publish.: Composites Institute
- place:
- date: 1998
Subject: Composites. Laminates. and Fibers - Materials Science
Desc: 100 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1566766591
Shelf

Edition:
Series:
Year: 1998
Price: $53.50

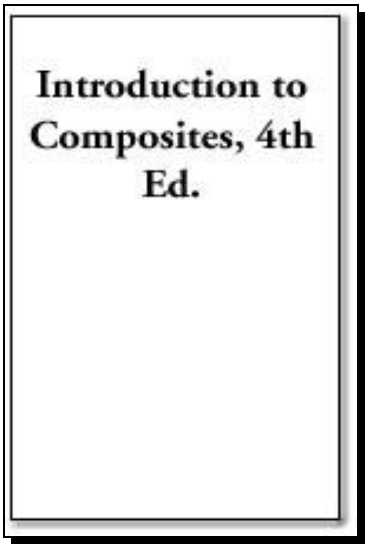

Table of Contents

Introduction to Composites
Introduction to Composite Materials
Introduction to Composites Processes
Composite Design, Economics and the Future
Worksheets
Glossary

Reviews - Synopsis - Dust Jacket

This primer serves as a guide to the materials, fabrication processes, and various end-use markets of the composites industry. It provides the reader with a basic understanding of composite materials, their uses and the economic advantages they provide. The text includes a comprehensive glossary of terms, a composite application development worksheet, and numerous examples of composites in action.From the Introduction: "...Composites are a polymer matrix, either thermoset or thermoplastic, reinforced with a fiber or other material with a sufficient aspect ratio (length to thickness) to provide a discernible reinforcing function in one or more directions..."Target Audience: Engineers, designers, manufacturing and marketin personnel, and others who may be unfamiliar with composites.

Subjects

609 .	Materials Science
625 .	Composites, Laminates, and Fibers

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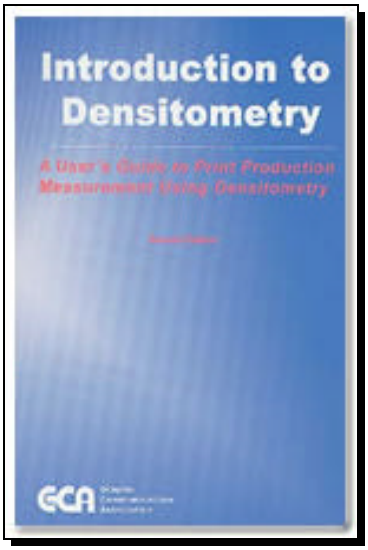
Introduction to Densitometry: A User's Guide to Print Production Measurement Using Densitometry, 2nd Ed.

Title	Location	Edition / Series / Misc.

1253 **Introduction to Densitometry: A User's Guide to Print Production Measurement Using Densit(**

Author:	Peter Brehm	*Dynix:*	*Edition:*
Publish.:	Graphic Communication Association	*Call No.:*	*Series:*
- place:		*ISBN:* 933505116	
- date:	1999	*Shelf*	*Year:* 1999
Subject:	QA/QC, Statistics, and Testing - Color Theory, Testing, and Analys		*Price:* $23.50
Desc:	100 p, 7 x 10 Paperback		



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607 .	QA/QC, Statistics, and Testing
618 .	Color Theory, Testing, and Analysis
624 .	Printing Technology

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Appendix B: Standard Lighting
Appendix C: Standard Methodologies for Determining Densitometry Capability
Appendix D: Common Characteristics of Densitometers, Colorimeters, and Spectrophotometers

Reviews - Synopsis - Dust Jacket

This excellent primer focuses on how densitometers work, how they are used, and and how to verify conformance to standards. It includes discussions of bandwidth, the use of polarizing filters with wet ink films, and improvements in densitometry. Appendices address the use of the Graphic Communications Association's T-Ref, standard lighting conditions, densitometry capability assessment, and the common characteristics of different color measurement systems.From the Preface: “The need for improved communication of density values has been recognized for many years...[I]t is not only the printer for whom the densitometer is necessary for quality control. It is the advertising agency, the publisher, the cataloger, and the color separator as well. Unfortunately, inter-instrument agreement was not the rule...The lack of a standard response, coupled with differing manufacturer interpretations of the correct response, created communication problems between and among each segment of the print production community and caused doubt about whether densitometric values could be relied upon to provide needed process information. The basis for a solution to the lack of densitometer agreement was finally achieved in 1984 when ANSI...finalized a standard that specifies the spectral response for graphic arts reflection equipment, naming it Status T..."Target Audience: Personnel involved in a variety of function the print production process, including prepress, print buyers and specifiers, quality and process control, and press operators.

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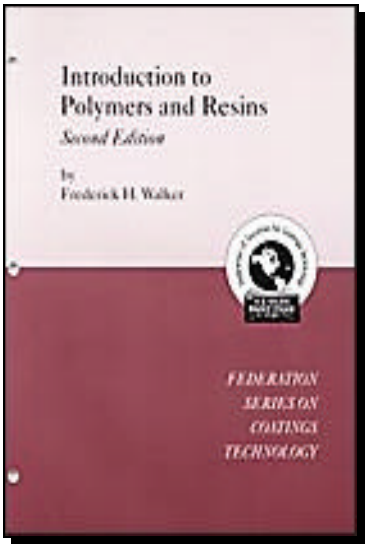
Title	Location	Edition / Series / Misc.
1572 **Introduction to Polymers and Resins, 2nd Edition**		*Edition:* 2nd Editio
Author:	*Dynix:*	*Series:*
Publish.: FSCT	*Call No.:*	
- place:	*ISBN:* 0934010285	
- date:	*Shelf*	*Year:*
Subject: Fundamentals		*Price:* $30.00
Desc: 60 pages, soft cover		



Subjects

635 .	Fundamentals

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Reviews - Synopsis - Dust Jacket

The polymers and resins used in a coating determine more than any other raw material its performance properties, this volume is a highly readable description of the chemistry of all of the most important polymers and resins used modern paints and coatings. The booklet also includes an introduction to fundmental concepts in polymer chemisty a description of polymerization processes (chain-growth, step-growth, and emulsion polymerization) of greatest importance in the industry.

< < < NOTE: LASCT Has FS3 (1986) > > >

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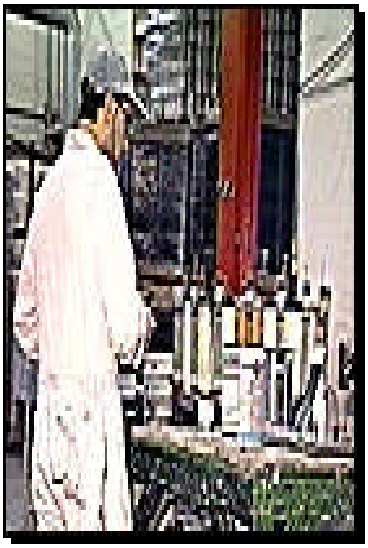
Introduction to Quality Control Testing Video

Title	Location	Edition / Series / Misc.
1573 **Introduction to Quality Control Testing Video**		*Edition:*
Author: Pacific Northwest Society for Coatings Technology	*Dynix:*	*Series:*
Publish.: FSCT	*Call No.:*	
- place:	*ISBN:*	
- date:	*Shelf*	*Year:*
Subject: Training Videos		*Price:* $135.00
Desc: VHS format		



Subjects

638 .	Training Videos

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Produced by the Pacific Northwest Society for Coatings Technology, "An Introduction to Quality Control Testing" is educational video designed to assist newcomers to the coatings industry as well as those involved in the manufact paint. It serves as a guide to better understanding the importance of quality control testing. Topics include Weight pe Gallon or Density, pH Measurement, Viscosity Tests, Ford Cup, Stormer, Brookfield, and ICI Cone Plate; Defoamin Tests, Color Acceptance or Color Rub Up Test, Drying Time Test, and Specular Gloss Measurement.

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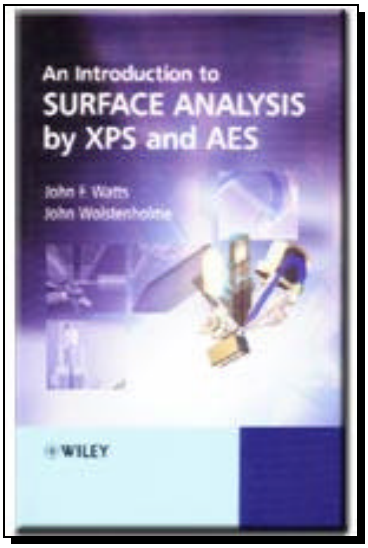
Title	Location	Edition / Series / Misc.

1497 **Introduction to Surface Analysis by XPS and AES**

Author: John F. Watts and John Wolstenholme
Publish.: John Wiley & Sons
- place:
- date: 2003
Subject: Surface Characterization and Analysis - Recommend this Site
Desc: 224 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 470847131
Shelf

Edition:
Series:
Year: 2003
Price: $46.50



Subjects

608 .	Surface Characterization and Analysis
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This book offers a clear and accessible introduction to the key electron spectroscopic techniques used in surface analysis. Starting with the underlying concepts, AES instrumentation employed, and looks at the interpretation of the resulting spectra. The latest material on angle resolved XPS, surface engineering, and complementary methods is also included.From the Preface: "...In XPS, X-ray monochromators are now becor the norm and imaging has become commonplace. In AES, field emission sources are to be seen on high-performance systems. Against that backdrop it was clear that a new, broader introductory book was required which explored the basic principles and applications of the techniques, along with the emerging innovations in instrument design. We hope that this book has achieved that aim...Further information on all the topics can be found in the Bibliography and the titles of papers and so on have been included along with the more usual citations to guide such reading..."Target Audience: An invaluable text for upper level stuc also a useful reference for newcomers to surface science needing familiarization with these techniques.

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Introduction to Thermal Analysis: Techniques and Applications, 2nd Ed.

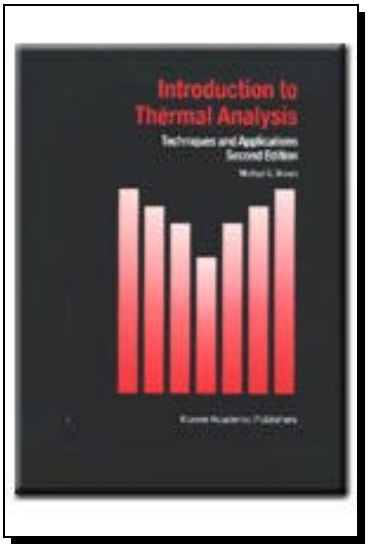
Title	Location	Edition / Series / Misc.

1534 **Introduction to Thermal Analysis: Techniques and Applications, 2nd Ed.**

Author: Michael E. Brown
Publish.: Kluwer Academic
- place:
- date: 2001
Subject: Materials Science - Experimental Design and Analysis
Desc: 276 p, 6.3 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 1402004729
Shelf

Edition:
Series:
Year: 2001
Price: $58.50



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609 .	Materials Science
627 .	Experimental Design and Analysis

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Reviews - Synopsis - Dust Jacket

This second edition has been thoroughly revised and rewritten to account for the changes that have occurred in the techniques and the instrumentation since the original 1988 edition. These changes include the introduction of new modulated temperature techniques and the exciting world of micro thermal analysis, based on novel adaptations of atomic force microscopy. These new methodologies are integrated with the older and more established techniques. Despite these updates, the intent of the original edition has been retained — to provide a brief, readable introduction to these versatile techniques for anyone contemplating their use, from which it will be possible to move on to the specialist literature.From the Preface: “The aim of this book is, as its title suggests, to help someone with little or no knowledge of what thermal analysis can do, to find out briefly what the subject is all about, to decide whether it will be of use to him or her, and to help in getting started on the more common techniques...Preparation of this Second Edition has made me very aware of how many things have changed since 1987. The greatest changes have been in the tasks that can now be comfortably handled by computers and their ever-growing range of accessories...”Target Audience: Any reader who requires an easy-to-read introduc text on the methods and applications of thermal analysis.

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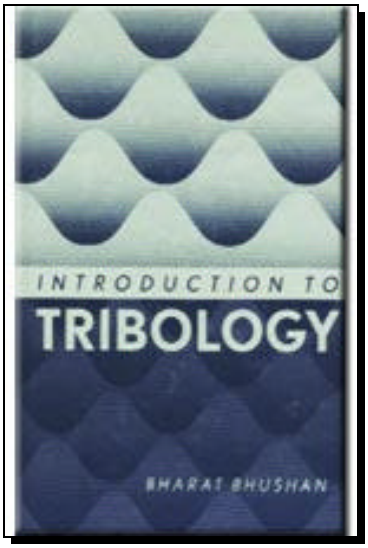
Title	Location	Edition / Series / Misc.

1418 **Introduction to Tribology**

Author: Bharat Bhushan
Publish.: John Wiley & Sons
- place:
- date: 2002
Subject: Wear, Weathering, and Tribology - Recommend this Site
Desc: 752 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471158933
Shelf

Edition:
Series:
Year: 2002
Price: $108.50



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614 .	Wear, Weathering, and Tribology
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

A solid understanding of tribology is essential for engineers in many fields working to design and ensure the reliability of machine parts and systems. This book presents detailed coverage of the mechanisms of friction, material wear, and all major lubrication techniques, including liquids, solids, and gases. It also describes traditional and state-of-the-art applications, as well as the latest material on micro/nanotribology, MEMS, and magnetic surface storage applications.The underlying theory and current applicati of tribology are covered in an integrated treatment taken from a mechanical engineering, mechanics, and materials science point of view. The book's straightforward presentation begins with the principles of tribology and prepares readers to understand its various industrial applications.From the Preface: “Tribology is the science and technology of interacting surfaces in relative motion...The nature and consequence of the interactions that take place at the interface control its friction, wear, and lubrication behavior. During these interactions, forces are transmitted, mechanical energy is converted, and physical and chemical nature including surface topography of the interacting materials are altered. Understanding the nature of these interactions and solving the technological problems associated with the interfacial phenomena constitute the essence of tribology...”Target Audience: Mechanical, chemical, and materials engineers in product and process design, as well as students in these fields.

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Title	Location	Edition / Series / Misc.

1186 **Inventor's Notebook, 3rd Ed.**

Author: Fred Grissom and David Pressman
Publish.: Nolo Press
- place:
- date: 2000
Subject: Patents and Intellectual Property - General Reference
Desc: 224 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 873375998
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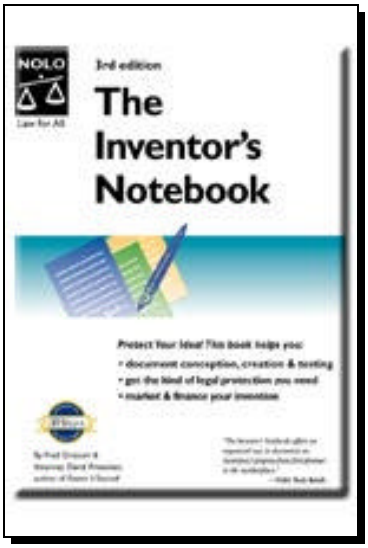
Edition:
Series:
Year: 2000
Price: $8.50



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Appendix 3: Glossary
Appendix 4: Fee Schedule
Appendix 5: Tear-Out Forms

Reviews - Synopsis - Dust Jacket

Creating an official record is crucial to proving that you are the first and true inventor of the product you have conceived. If your invention is ever challenged, your completed notebook will be the foundation of your legal rights to your idea. This revised and updated edition is designed to help you document the key steps of the invention process, including conceiving, building and testing the invention; legally protecting your project; and financing and marketing your brainchild.From the Introduction: "...The purpose of Notebook your inventive efforts. We do not explain here the details of patent law or the intricacies of how to create and run a business based on your invention..."Target Audience: Inventors, educators, business advisors, research and development managers, attorneys, and anyone else concerned with developing a patentable product.

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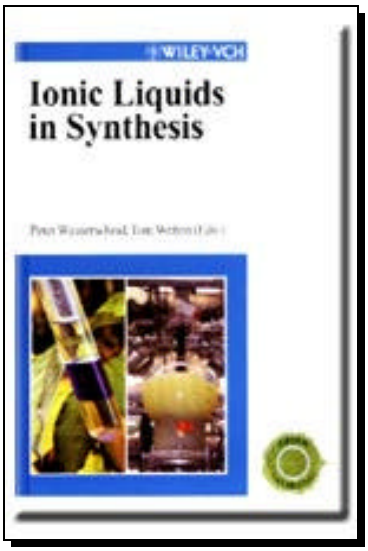
Title	Location	Edition / Series / Misc.

1436 **Ionic Liquids in Synthesis**

Author: Peter Wasserscheid and Tom Welton, eds.
Publish.: Wiley - VCH
- place:
- date: 2003
Subject: Solubility and Surfactants - General Reference - Health, Safety, and
Desc: 380 p, 9.4 x 0 Hardcover

Dynix:
Call No.:
ISBN: 3527305157
Shelf

Edition:
Series:
Year: 2003
Price: $155.00



Subjects

604 .	General Reference
605 .	Solubility and Surfactants
623 .	Health, Safety, and the Environment

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Reviews - Synopsis - Dust Jacket

The demand for increasingly clean and efficient chemical synthesis is becoming more urgent from both an economic and an environmental standpoint. Many technologies rely on large quantities of hazardous or toxic solvents. A promising and now established alternative is the development of new, ionic solvents that are fluid at room temperature. These solvents not only have the potential to increase chemical reactivity and thus lead to more efficient processes, but are also non-flammable and are less toxic than conventional solvents due to their low vapor pressure. Ionic Liquids in Synthesis
developments in this field, supplemented by numerous practical tips, and thus provides those working in both research and industry with an indispensible source of information.From the Preface: "...Central to this tome (both literally and metaphorically) is the use of ionic liquids for organic synthesis, and especially green organic synthesis, and this chapter is (appropriately) the largest, and the
this volume reflects well the excitement and rapid progress in the field of ionic liquids, whilst effectively providing an invaluable hands-on instruction manual. The lacunae are emphasized, and the directions for potential future research are clearly signposted..."Target Audience: Chemical engineers, process chemists, acader researchers, upper level students, and others interested in the the capabilities of ionic liquids in chemical processing, as well as their synthesis and properties.Brief Table of Contents:Introduction
Synthesis and Purificaition of Ionic Liquids
Physicochemical Properties of Ionic Liquids
Molecular Structure and Dynamics
Organic SynthesisStoichiometric Organic Reaction and Acid-Catalyzed Reactions in Ionic LiquidsTransition Metal Catlaysis in Ionic LiquidsIonic Liquids in Multiphase ReactionsMultiphase Catalysis with Ion Liquids in Combination with
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Inorganic Synthesis
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Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol. 359)

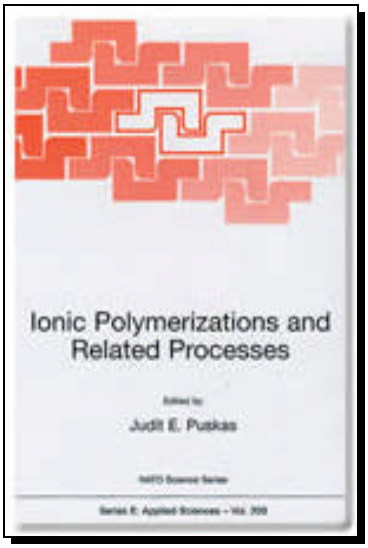
Title	Location	Edition / Series / Misc.

1269 **Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol.**

Author: Judit E. Puskas, ed.
Publish.: Kluwer Academic
- place:
- date: 1999
Subject: Polymer Science - Recommend this Site
Desc: 404 p, 6.3 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 792358120
Shelf

Edition:
Series:
Year: 1999
Price: $75.00



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610 .	Polymer Science
715 .	Recommend this Site

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Newer Aspects of Photoinitiated Cationic Polymerization
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Segmented Polymer Networks by Cationic Polymerization: Design and Applications
Rate Constants and Reactivity Ratios in Carbocationic Polymerizations
Photochemically Induced Cationic Photopolymerization of Vinyl Ethers and Oxethanes
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A Forgotten Class of High T
Anionic Copolymers of Styrene and 1,1-Diphenylethylene
Synthesis, Toughening and Block Copolymerization with Butadiene
Control of Active Centers Reactivity in the High Temperature Bulk
Anionic Polymerization of Hydrocarbon Monomers
Arborescent Polymers: Highly Branched Homo- and Copolymers with Unusual Properties
Similarities and Discrepancies Between Controlled Cationic and Radical Polymerizations
Recent Developments in Anionic Synthesis of Model Graft Copolymers
Kinetics of Elementary Reactions in Cyclic Ester Polymerization
Synthesis and Properties of Amphiphilic and Functional Copolymers and Networks
Modeling, Simulation and Control of Polymerization Processes: Some Aspects for Tailored Synthesis

Reviews - Synopsis - Dust Jacket

These proceedings from the NATO Advanced Study Institute (ASI), held at the University of Western Ontario, August 10-20, 1998, discuss and debate issues in ionic polymerization, with a focus on cationic processes. The topics that include industrial applications, segmented polymer networks, kinetics, photoinitiated polymerization, arborescent polymers, amphiphilic and functional copolymers and networks, and more.From the Preface: "...This ASI was the first ever in the field of ionic polymerizations...The major focus was on cationic polymerizations, but related anionic and controlled radical processes were also discussed...The structure of the ASI, with an entire day devoted to industrial lectures, made it possible to provide an excellent interface between academe and industry...This book contains the main lectures. The papers are a combination of review-tutorial and new results."Target Audience: Industrial and academic researchers and technolo concerned with ionic polymerizations and related processes.

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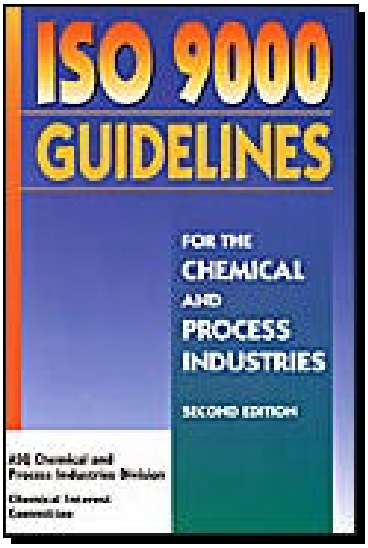
Title	Location	Edition / Series / Misc.

1574 **ISO 9000 Guidelines for the Chemical & Process Industries**

Author:
Publish.: ASQC
- place:
- date: 1996
Subject: Quality Assurance
Desc: 150 pages, soft cover.

Dynix:
Call No.:
ISBN: 0873893522
Shelf

Edition:
Series:
Year: 1996
Price: $36.00



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Reviews - Synopsis - Dust Jacket

This easy-to-read reference is updated to conform to the 1994 ISO 9000 revisions and explains the relationship bet ISO 9001 and the chemical and process industries. Industry-specific examples help readers implement the standar their own companies. Included in this edition are What's New sections that indicate the more substantive changes f in the 1994 version of the standards, an updated glossary, an acronym list, and new appendices with a standards and ordering information.

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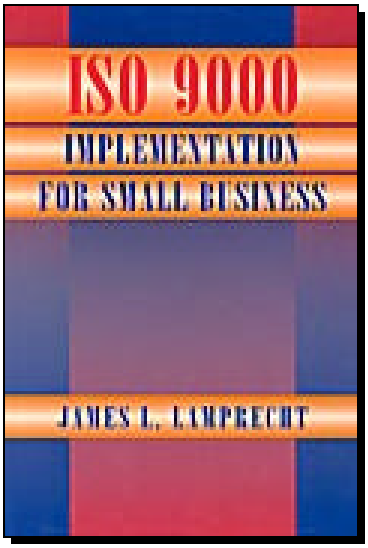
Title	Location	Edition / Series / Misc.
1575 **ISO 9000 Implementation for Small Businesses**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: ASQC	*Call No.:*	
- place:	*ISBN:* 0873893506	
- date: 1996	*Shelf*	*Year:* 1996
Subject: Quality Assurance		*Price:* $42.00
Desc: 209 pages, hardbound		



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Reviews - Synopsis - Dust Jacket

This book is geared to those small to medium-sized businesses seeking to obtain ISO 9000 registration. Written especially for the person with little or no ISO 9000 experience, Lamprecht shows how the ISO standards can be effectively implemented and maintained without spending large sums of money or increasing staff. Includes more th 30 illustrations.

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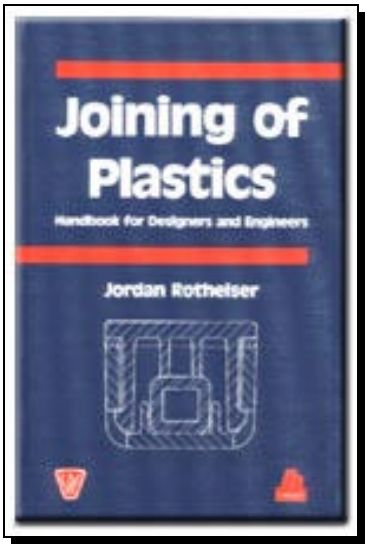
Title	Location	Edition / Series / Misc.

1552 **Joining of Plastics: Handbook for Designers and Engineers, 2nd Ed.**

Author: Jordan Rotheiser
Publish.: Hanser Gardner
- place:
- date: 2004
Subject: Plastics Processing Technology
Desc: 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569903549
Shelf

Edition:
Series:
Year: 2004
Price: $123.50



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Rapid Guidelines for Joining of Plastics and Efficient Use of This Handbook

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Threads: Tapped and Molded-in

Ultrasonic Welding

Vibration Welding

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Reviews - Synopsis - Dust Jacket

This comprehensive handbook emphasizes the relationships among the assembly methods, the materials, and the plastics manufacturing processes, thus enabling the reader to identify the best design and assembly method for a g application.

The book describes the fourteen principal fastening and joining methods used to assemble plastics today, with their

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advantages and disadvantages. Assembly method limitations for a given material and/or a given molding process discussed. Joining of Plastics: Handbook for Designers and Engineers is very much a `how-to' book, offering a wea hard-to-find, detailed information.

From the Preface: "...In the accelerated pace of today's design environment, engineers rarely have the time to read leisure. The author often finds himself reaching for a reference book and looking for the shortest path to the informati needed. When he scans the table of contents of a book, he is looking to see if it is the kind of book he can use in tha manner. He believes other engineers do the same, so this book is designed to accomodate the practice..."

Target Audience: Design, mechanical, process, and plastics engineers; end-users of assembled plastic parts; and students of these fields.

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Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique

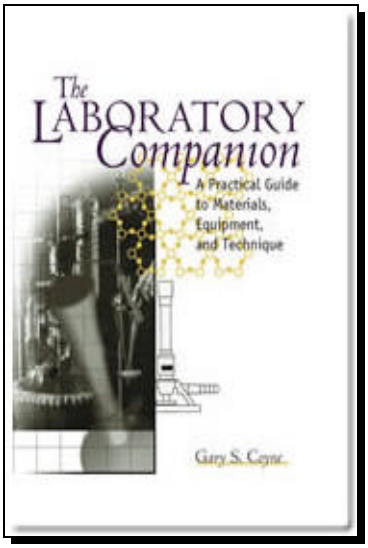
Title	Location	Edition / Series / Misc.

1075 **Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique**

Author: Gary S. Coyne
Publish.: Wiley - Interscience
- place:
- date: 1997
Subject: General Reference - Health. Safetv. and the Environment
Desc: 572 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471184225
Shelf

Edition:
Series:
Year: 1997
Price: $78.50



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604 .	General Reference
623 .	Health, Safety, and the Environment

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Materials in the Lab
Measurement
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Compressed Gases
High and Low Temperature
Vacuum Systems
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Reviews - Synopsis - Dust Jacket

This guide to laboratory materials, equipment, and techniques provides complete coverage, from vacuum technology and glass vacuum systems to volumetric glassware, gas-oxygen torches, and cryogenic gases. It clearly explains the historical development and rationale behind how and why things are done in the lab, and includes helpful guidelines and step-by-step procedures for each topic discussed.From the Foreword: “The success of the precursor of this book, originally published in 1992, has led to this revised work. As I wrote in the foreword to the former: `If your department...wants to learn more about the applications of materials commonly used in constructing scientific equipment, buy this book.' This work still stands alone as a unified source of information on laboratory materials; fundamentals of measurement, and the laboratory equipment involved in making measurements; the components and materials involved in fabricating glass apparatus for normal and reduced pressure manipulations; the handling of laboratory gases; and work at high and low temperatures...”Target Audience: An invaluable resource for students as well as scientists, lab technicians, and laboratory managers.

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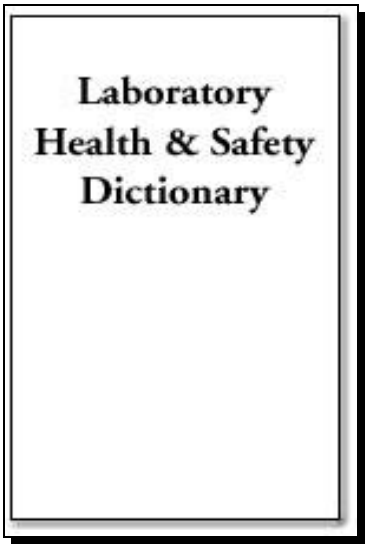
Title	Location	Edition / Series / Misc.

1294 **Laboratory Health & Safety Dictionary**

Author: W. Carl Gottschall and Douglas B. Walters
Publish.: John Wiley & Sons
- place:
- date: 2001
Subject: Health. Safety. and the Environment - Recommend this Site
Desc: 468 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 471283177
Shelf

Edition:
Series:
Year: 2001
Price: $53.50



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Preface
Dictionary of Terms
Appendix A: Abbreviations and Acronyms
Appendix B: Brief Biographies
Appendix C: Health and Safety Related Organizations

Reviews - Synopsis - Dust Jacket

This authoritative compendium of chemical safety and health concepts contains approximately 2,500 entries, including all essential terms used in chemical hygiene plans, safety procedures, and mandatory documents and regulations such as OSHA's Hazard Communications Standard, Material Safety Data Sheets, Right-to-Know legislation, etc.Chemical health and safety are affected by federal, state, and local regulations, and are of concern to a wide range of personnel.
Laboratory Health and Safety Dictionary
for on-the-job training and general use. It specifically focuses on the chemical and chemistry-related aspects of the general field of health and safety.From the Preface: "...One object of [this] dictionary is to assist persons with limited understanding and/or varying backgrounds to better understand the vocabulary that is encountered in the field...This book is also intended to serve as a general aid to other professionals, such as fire fighters and the general public, to gain a better perspective of chemistry and the hazards that result from the improper use of chemicals..."Target Audience: All personnel concerned with health, safety, and hygiene in laboratories, especially chemical hygiene officers and safety directors.

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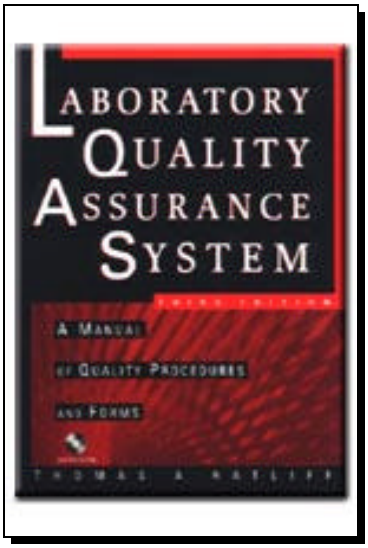
Title	Location	Edition / Series / Misc.

1500 **Laboratory Quality Assurance System: A Manual of Quality Procedures and Forms, 3rd Ed.**

Author: Thomas A. Ratliff
Publish.: Wiley - Interscience
- place:
- date: 2003
Subject: QA/QC. Statistics. and Testing - Recommend this Site
Desc: 244 p. 8.5 x 11 Paperback with CD-ROM

Dynix:
Call No.:
ISBN: 471269182
Shelf

Edition:
Series:
Year: 2003
Price: $88.50



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Reviews - Synopsis - Dust Jacket

The
with the necessary information to create a laboratory quality control manual, which will assist a laboratory in building a competitive program while satisfying accreditation requirements. This third edition helps laboratories meet the manual requirements of both the American National Standard ANSI/ISO/ASQ Q9001-2000 (
Requirements
(
LaboratoriesThis benchmark guide discusses in detail the elements of laboratory quality systems required by these standards, describes the mechanics of creating a manual, and provides a comprehensive example of a laboratory quality manual complete with sample forms and instructions for their use, and supplies blank copies of all necessary forms. The interactive CD-ROM allows readers to edit forms and checklists to fit their particular laboratory's needs while also providing a highly accessible resource on all quality control matters.From the Preface: "...Although many of the examples and references included herein relate to industrial hygiene laboratories, the principles set forth herein are applicable to any testing, analytical, or other laboratory, excluding those dedicated purely to reasearch and development."Target Audience: Consultants, managers, quality and analysis technologists, and other professionals entrusted with developing and implementing a laboratory quality assurance system.Brief Table of Contents:Laboratory Quality System Elements
How to Write a Laboratory Quality Assurance Manual
XYZ Laboratory Quality Assurance Manual
Sample Quality Assurance Forms
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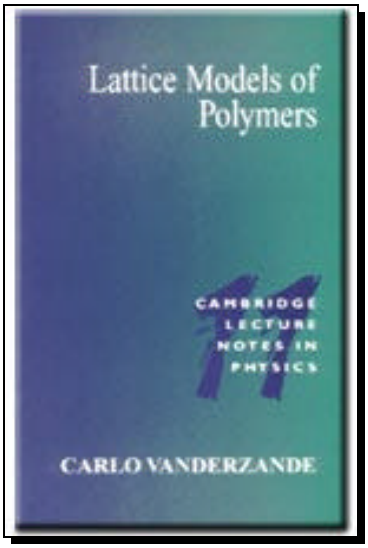
Title	Location	Edition / Series / Misc.

1191 **Lattice Models of Polymers**

Author: Carlo Vanderzande
Publish.: Cambridge University Press
- place:
- date: 1998
Subject: Polymer Science - Polymer Surface Chemistry
Desc: 232 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 521559936
Shelf

Edition:
Series:
Year: 1998
Price: $28.50



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From Polymers to Random Walks
Excluded Volume and the Self Avoiding Walk
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The SAW in
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Reviews - Synopsis - Dust Jacket

This introduction to polymer lattice models — a topic important to the theories of critical phenomena and polymer modeling — addresses the basic theory of random, directed, and self-avoiding walks in two and three dimensions; polymers near surfaces; dense polymers; self-interacting polymers; and branched polymers.From the Preface: “Ideas from the theory of critical phenomena have been of great importance in the modelling of polymers ever since the Nobel prize winner P.G. de Gennes showed (in 1972) how the two subjects can be connected. In the 25 years that have passed since then, almost every major development in the understanding of criticality has led to parallel progress in the study of polymer models. We can think of the renormalisation group, the introduction of ideas from fractal geometry, conformal invariance.....”Target Audience: Statistical mechanics, theoretical physics, and polymer physics researchers.

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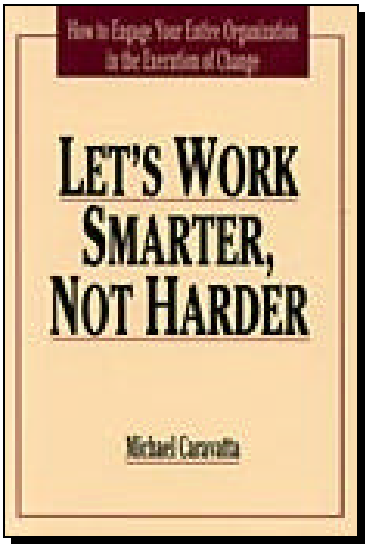
Title	Location	Edition / Series / Misc.
1576 **Let's Work Smarter, Not Harder**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.:	*Call No.:*	
- place:	*ISBN:* 0873893867	
- date: 1997	*Shelf*	*Year:* 1997
Subject: Quality Assurance		*Price:* $36.00
Desc: 280 pages, hardbound.		



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Reviews - Synopsis - Dust Jacket

Making good organizations better and successful organizations superior often demands a change. How to excel at change is what this book is all about. Learn how to reach superior levels of customer satisfaction by creating quali products and services, lowering costs, removing errors, and reducing cycle time. A glossary and industry exampl also included.

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Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120

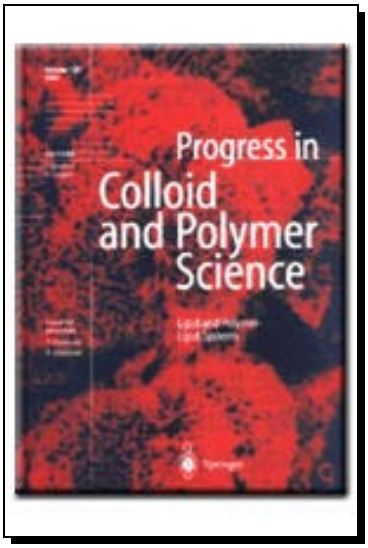
Title	Location	Edition / Series / Misc.

1433 **Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120**

Author: T. Nylander and B. Lindman, eds.
Publish.: Springer
- place:
- date: 2002
Subject: Polymer Science - Recommend this Site
Desc: 108 p, 8.2 x 10.8 Hardcover

Dynix:
Call No.:
ISBN: 3540430016
Shelf

Edition:
Series:
Year: 2002
Price: $56.50



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The Alveolar Surface is Lined by a Coherent Liquid—Crystalline Phase
The Performance of Sterically Stabilized Liposomes — A Review
Acyl Migration and Hydrolysis in Monoolefin Based Systems
A NMR Self-Diffusion Study of the Porous Structure of Starch Granules
DNA—Lipid Systems: An Amphiphile Self-Assembly and Polymer—Surfactant Perspective
Supramolecular Structures Formed by Phospholipidnucleosides: Aggregational Properties and Molecular Recognition
From Bilayers to Micelles in a Dilute Surfactant System: A Phase with a Perforated Bilayer Network
Effect of a Bile Salt on the Aggregation Behavior of a Double-Chained Cationic Surfactant
Hydrolysis of Cubic Liquid Crystalline Phase of Glycerol Monooleate by Human Pancreatic Lipase
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Reviews - Synopsis - Dust Jacket

This volume consists of 12 papers originally presented at the International Symposium on Lipid and Polymer—Lipid Systems, which was held in October 2000 in Chia Laguna, Italy. Amphiphilic systems comprise lipids and surfactants, as well as different types of polymers, including block and graft copolymers. Research on biological amphiphiles has often been conducted independently of research on synthetic ones. However, in recent years, a fruitful convergence of these two fields has evolved. These new perspectives on fundamental research and applications of lipids are discussed herein.From the Preface: “Fundamental research on biological amphiphiles is undergoing a renaissance and many new research groups have entered the field in recent years. This renewed and increasing interest in lipid self-assembly, phase behavior and interfacial properties can be related to both a much improved insight in biological systems and the applications of lipids in food and pharmaceutical industry; in the latter, the development of drug delivery systems based on lipids has become in focus...”Target Audience: Scientists, technologists and researchers in academia or industry who are concerned with lipid and polymer—lipid systems.

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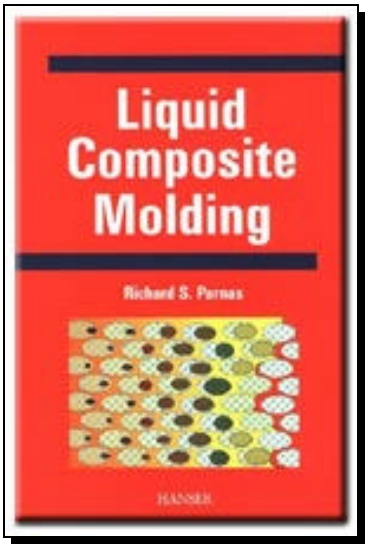
Title	Location	Edition / Series / Misc.

1286 **Liquid Composite Molding**

Author: Richard S. Parnas
Publish.: Hanser Gardner
- place:
- date: 2000
Subject: Composites, Laminates, and Fibers - Materials Science
Desc: 180 p, 6.5 x 9.5 Hardcover with CD-ROM

Dynix:
Call No.:
ISBN: 1569902879
Shelf

Edition:
Series:
Year: 2000
Price: $81.50



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Liquid Composite Molding
engineering principles and manufacturing issues critical to success in this field, which encompasses a family of versatile methods to manufacture composite materials for the automotive, aerospace, railroad, marine, and defense industries.The book offers an interdisciplinary treatment of transport phenomena in porous media, the use of textile and automation technology in constructing the porous reinforcement, and computer aided engineering for design optimization. Problems at the end of each chapter expand and clarify the most important topics. The CD ROM is employed for more graphic and interactive functions, e.g. model filling, flow simulation, and database presentation.From the Foreword: "...The permeability database allows one to compare the ease of resin infiltration into various types of preforms. Since the database is limited, a description of measurement methods for acquiring permeability data is included in the book to aid those who need additional data on materials not in the database. A more recent version of the database is also available on the NIST internet site..."Target Audience: Graduate and upper-level undergraduate students of materials science, chemical engineering, and composites; industrial engineers and technologists entering the field; and research libraries.Book Table of Contents:Introduction
Fundamentals — Transport Phenomena: Single Phase Flow Through Porous Media; Heat Transfer and Chemical Reaction in Porous Media; Rheokinetics
RTM Fundamentals — Reinforcement Construction: Materials; Getting Ready for Preforming; 2-Dimensional Fabrics and Early Preforming Methods; Preforming 3-Dimensional Shapes
Manufacturing Composites: Design and Optimization; Tooling; Measurement and Control
The Microstructure: Multi-Phase Flows; Optical Coherence Tomography
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MPEG Files of Model Filling
Crimson Flow Simulation Package
Permeability Database

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Liquid Film Coating: Scientific Principles and Their Technological Implications

LASCT Holdings - maximum detail by Title L

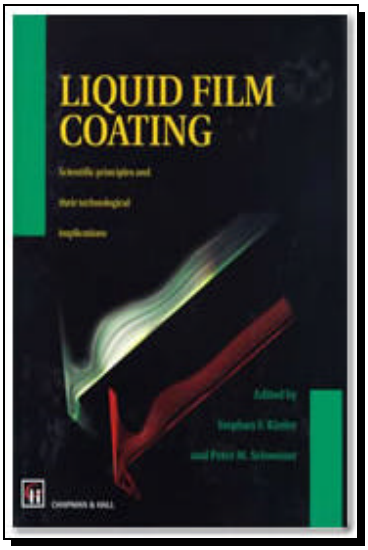
Title	Location	Edition / Series / Misc.

1178 **Liquid Film Coating: Scientific Principles and Their Technological Implications**

Author: Stephan F. Kistler and Peter M. Schweizer, eds.
Publish.: Chapman & Hall
- place:
- date: 1997
Subject: Coating Processes - Colloids and Emulsions - Experimental Design
Desc: 795 p, 7.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 412064812
Shelf

Edition:
Series:
Year: 1997
Price: $311.50



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The Fate of Thin Liquid Films After CoatingMethods of Investigating Coating Processes: Experimental Methods
Asymptotic Methods for the Mathematical Analysis of Coating Flaws
Advances in Computational Methods for Free-Surface FlowsTheory and Practice of Coating Processes: Analysis and Design of Internal Coating Die Cavities
Premetered Coating Processes: Slot Coating, Slide Coating, Curtain Coating, and Surfactant Effects in Coating Processes
Self-Metered Coating Processes: Knife and Roll Coating, Meniscus Roll Coating, Elastohydrodynamic Coating Systems, and High-Speed Blade Coating
Free-Meniscus Coating Processes
Spin Coating
Control and Optimization of Coating Processes
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621 .	Colloids and Emulsions
627 .	Experimental Design and Analysis

Reviews - Synopsis - Dust Jacket

This comprehensive account of liquid film coating discusses fluid mechanics and transport phenomena, capillary hydrodynamics, surface and colloid science, and other fundamentals. The authors, all acknowledged experts in their fields, represnet a balance between industrial and academic points of view. Throughout the text, many case studies illustrate how scientific pricinples together with advanced experimental and theoretical methods are applied to develop and optimize manufacturing processes of ever increasing sophistication and efficiency.From the Introduction: “In industrial coating processes, o several liquid layers are deposited on a solid substrate, often a flexible web, and are subsequently dried or cured to form solid films that serve specific functions...At the heart of such processes is the displacement of a gas previously in contact with the substrate by a liquid film. The wet thickness of the coated films is typically on the order of 1 to 100 microns, or more...”Target Audience: Industrial scientists, technologists, and technical managers involved with coating processes and materials for the manufacture of imaging and data recording products, papers, plastic films, paint and protective coatings, and other coating operations; also academic researchers and students interested in these fields and processes.

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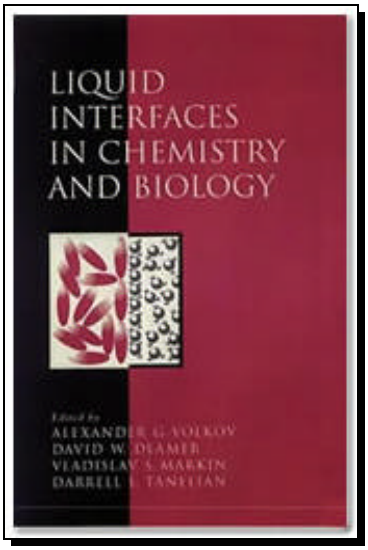
Liquid Interfaces in Chemistry and Biology

Title	Location	Edition / Series / Misc.
1257 **Liquid Interfaces in Chemistry and Biology**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: Wiley - Interscience	*Call No.:*	
- place:	*ISBN:* 471148725	
- date: 1998	*Shelf*	*Year:* 1998
Subject: Interfacial Engineering and Surface Science - Biopolymers and		*Price:* $111.50
Desc: 562 p, 6 x 9 Hardcover		



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605 .	Solubility and Surfactants
622 .	Biopolymers and Medical Applications

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Adsorption at Liquid InterfacesElectrified Interfaces:
Interfacial Potentials
Electrocapillarity
Energetics of ExtractionStructure of Interfaces:
Interfacial Structures and Electrical Double Layers
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Light Energy Conversion at Liquid—Liquid Interfaces: Artificial
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Reviews - Synopsis - Dust Jacket

This clear, authoritative introduction to the physics and chemistry of liquid interfaces offers a comprehensive, concise treatment of surface theory and its applications in biology and chemistry. It is organized in five sections — interfacial thermodynamics, electrified interfaces, interfacial structure, the chemistry of liquid interfaces, and membranes.Liquid Interfaces in Chemistry and Biology introduction to the general principles of classical thermodynamics, interfacial tension measurement, and the use of the methods of Gibbs and Hansen in understanding adsorption at liquid interfaces; it presents new material on Hansen's method of capillarity and the energies of extraction; explores interfacial structure, featuring recently developed tools such as laser photochemistry and visualization by molecular dynamics; discusses the theory of ion transfer across interfaces; explains even the more complex issues of biological membranes; and more.From the Preface: "...Despite their obvious interest and signific liquid—liquid interfaces are often poorly understood. This may stem from the fact that the field is relatively new, and until recently there has been little appreciation of the importance of interfaces to chemistry and biology. For these reasons we have dedicated this book to presenting the fundamental concepts and principle applications of surface science..."Target Audience: Scientists and technologists wide range of disciplines which require an understanding of liquid interfacial phenomena; an ideal text for upper-level students of these disciplines.

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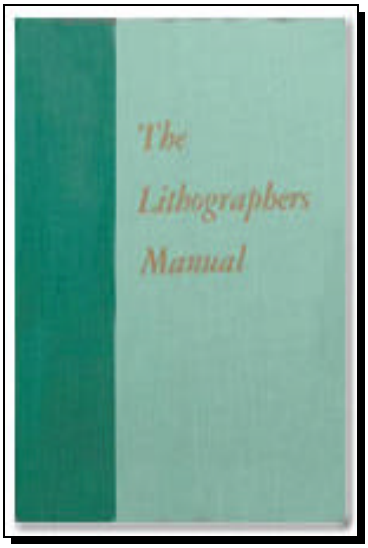
Title	Location	Edition / Series / Misc.

1202 **Lithographers Manual, 9th Ed.**

Author: Thomas M. Destree, ed.
Publish.: GATF
- place:
- date: 1994
Subject: Printing Technology - Color Theory, Testing, and Analysis
Desc: 420 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 88362169
Shelf

Edition:
Series:
Year: 1994
Price: $58.50



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618 .	Color Theory, Testing, and Analysis
624 .	Printing Technology

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Platemaking
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Reviews - Synopsis - Dust Jacket

This exhaustive resource covers virtually everything the lithographer needs to know about the entire print operation. There is in-depth coverage of both practical applications and underlying theory. A history of the process is also presented.From the Foreword: "...The ninth edition of the Manual
previous recent editions, but a totally new chapter on electronic prepress production has been added to the book. All existing chapters have been updated..."Target Audience: Any reader concerned with lithography, including press operators; management; prepress, maintenance, quality, and process specialists; graphic artists; print buyers and estimators; and students.

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Low Temperature Plasma Physics: Fundamental Aspects and Applications

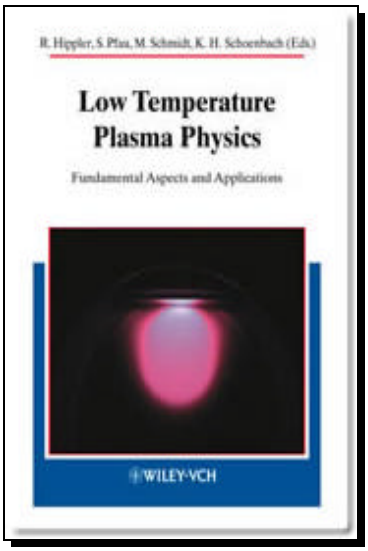
Title	Location	Edition / Series / Misc.

1339 **Low Temperature Plasma Physics: Fundamental Aspects and Applications**

Author:
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: Materials Science - Interfacial Engineering and Surface Science -
Desc: 530 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527288872
Shelf

Edition:
Series:
Year: 2001
Price: $193.50



Subjects

600 .	Interfacial Engineering and Surface Science
602 .	Polymer Surface Modification
609 .	Materials Science

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Characteristics of Low-Temperature Plasmas Under Non-Thermal Conditions — A Short Summary
Electron Kinetics in Weakly Ionized Plasmas
Elementary Collision Processes in Plasmas
Fundamental Processes in Plasma—Surface Interaction
Modeling of Plasma-Wall Interaction
Langmuir Probe Diagnostics of Low-Temperature Plasmas
Diagnostics of Non-Equilibrium Molecular Plasmas Using Emission and Absorption Spectroscopy
Mass Spectrometric Diagnostics
Ellipsometric Analysis of Plasma-Treated Surfaces
Characterization of Thin Solid Films
Plasma Sources
Reactive Non-Thermal Plasmas — Chemical Quasi-Equilibria, Similarity Principles and Macroscopic Kinetics
High-Pressure Plasmas: Dielectric-Barrier and Corona Discharges — Properties and Technical Applications
Transient Plasma-Assisted Diesel Exhaust Remediation
Plasma Display Panel
Low-Pressure Discharge Light Sources
High-Pressure Plasma Light Sources
Plasma Etching in Microelectronics
Low Temperature Plasma for Polymer Surface Modification
Plasma-Enhanced Deposition of Superhard Thin Films
Markets for Plasma Technology
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Reviews - Synopsis - Dust Jacket

Low-temperature plasma physics is a very active area of research located on the boundaries between physics, chemistry, and materials science. Recent technological developments, for example in plasma etching and plasma deposition, have led to a revived interest in plasma physics and technology.Low Temperature Plasma Physics: Fundamental Aspects and Applications
low-temperature plasma physics, including the most recent achievements. There is a strong focus on the link between theory and experimental or technological progress.From the Preface: "...A more detailed knowledge [of plasma theory and its applications] is provided through special courses, designed for graduate students and postgraduates. The purpose of this book is to provide supporting material for these special courses, and also to serve the scientists and engineers in research laboratories and industry as a reference book. It is our hope that it will be a useful companion for anyone working in the area..."Target Audience: Scientists and technologists in research laboratories concerned with low temperature plasma physics, as well as graduate and postgraduate students of the discipline.

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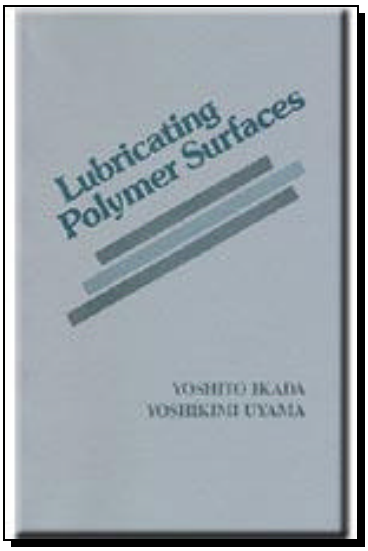
Title	Location	Edition / Series / Misc.

1017 **Lubricating Polymer Surfaces**

Author: Yoshito Ikada and Yoshikimi Uyama
Publish.: Technomic
- place:
- date: 1993
Subject: Polymer Surface Chemistry - Polymer Surface Modification - Wear.
Desc: 184 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1566760135
Shelf

Edition:
Series:
Year: 1993
Price: $61.50



Subjects

601 .	Polymer Surface Chemistry
602 .	Polymer Surface Modification
614 .	Wear, Weathering, and Tribology

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Principles of Friction and Lubrication
Test Methods for Lubricated Polymer Surfaces
Lubricious Polymer Surfaces
Lubricated Surfaces for Medical Use
General Methods for Surface Modification
Surface Analysis of Modified Polymers
Surface Grafting
Surface Structures and Properties of Grafted Polymers
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Reviews - Synopsis - Dust Jacket

Little attention has historically been given to making a polymer surface frictionless or slippery, and lubricating surfaces have been practically unmentioned in books published on polymer surface modification.
dedicated to polymer surface modification for friction reduction. It examines the properties and characteristics of low friction surfaces, along with test methods and characterization techniques.From the Preface: "...A lubricating polymer surface is impo especially in marine and biomedical technologies. For instance, biomaterials to be used for catheterization on the urinary, tracheal, and cardiovascular tracts, or for endoscopy, should have a surface with good handling characteristics when dry and which preferably becomes slippery upon contact with body liquids..."Target Audience: Polymer and surface scientists, products designers, and technologists concerned with wear and lubricity in polymers.

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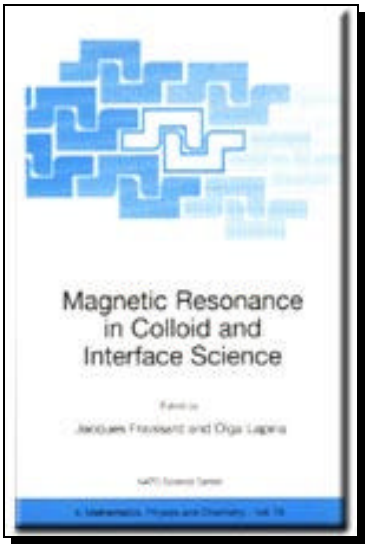
Title	Location	Edition / Series / Misc.

1475 **Magnetic Resonance in Colloid and Interface Science (NATO Science Series II, Vol. 76)**

Author: Jacques P. Fraissard and Olga Lapina, eds.
Publish.: Kluwer Academic
- place:
- date: 2002
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Scienc
Desc: 676 p, 6.3 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 1402007876
Shelf

Edition:
Series:
Year: 2002
Price: $78.50



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

This volume consists of 68 papers originally presented at the NATO Advanced Research Workshop on Magnetic Resonance in Colloid and Interface Science, held in St. Petersburg, Russia, 26-30 June, 2001. It illustrates the most up-to-date applications of innovative NMR and EPR techniques, including magnetic resonance imaging and microscopy, to gas—solid and liquid—solid interfaces, organic and biological surfaces, microemulsions, liquid crystals, membranes, structure and dynamics of polymers and micellar systems, diffusion in heterogeneous systems, and more. The result is a compendium of advanced NMR and EPR techniques and a state of the art description of the power of advanced new methodologies for the study of molecular dynamics and interfaces.From the Preface: “Colloids and interfaces play a crucial role in modern research and technology. Among the various approaches to study these systems, the techniques of magnetic resonance, in particular nuclear magnetic resonance (NMR) and electron paramagnetic resonance (EPR), have a special place because of their unique ability to elucidate structure, dynamics and function at the atomic and molecular level...The purpose of this workshop...had an interdisciplinary objective, namely to bring together the most active researchers in the broad, general area of colloid and interface science using NMR and EPR...”Target Audience: Scientists, technologists, and students interested in the applications of magnetic resonance techniques in colloid and interface science.Partial Table of Contents:Quantifying Structural and Dynamic Disorder in Ionically Conducting Solid Solutions
NMR Diffusion Studies of Molecules in Nanoporous Materials
NMR Studies of the Mesomorphism, Structure and Dynamics of Some New Pyramidic Liquid Crystals
"Lighting Up" NMR and MRI in Colloidal and Interfacial Systems
NMR in Colloid Science with Special Emphasis on Self-Aggregating Systems
Solid State NMR Characterization of Polymers and Surfactant Molecules as Confined to Porous Silica Materials
Characterisation of Porous Materials by NMR
Investigation of Radical Pairs in Micelles Using Spin Polarization Techniques
Monitoring Ultraslow Motions in Organised Liquids
NMR Spectroscopy Contribution to the Study of Biomaterial Mineralisation
The Features of PFG NMR Technique and Some Methodological Aspects of Its Application
The Mechanism for Ionic and Water Transport in Nafion Membranes from Resonance Data
MR Profiling of Drying in Alkyd Emulsions: Origins of Skin Formation
Catching a Falling Drop by NMR: Correlation of Position and Velocity
Robust Characterisation of Flowing Emulsions Using Regularisation and Velocity-Compensating Pulsed Field Gradient (PFG) Techniques
Static and Dynamic NMR Studies on Cosmetic Emulsions
Water Magnetic Relaxation in Superparamagnetic Colloid Suspensions: The Effect of Agglomeration
1-D and 2-D Double Heteronuclear Magnetic Resonance Study of the Local Structure of Type B Carbonate Fluoroapatite
Pulse Gradient Spin Echo Measurement of Flow Dynamics in a Porous

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Structure: NMR Spectral Analysis of Motional Correlations

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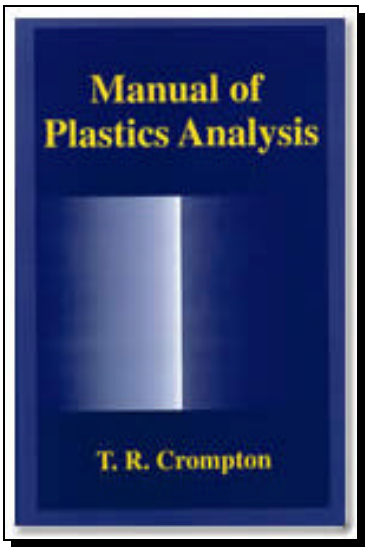
Title	Location	Edition / Series / Misc.

1179 **Manual of Plastics Analysis**

Author: T.R. Crompton
Publish.: Plenum Press
- place:
- date: 1998
Subject: Experimental Design and Analysis - Polymer Characterization -
Desc: 524 p, 6.5 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 306459124
Shelf

Edition:
Series:
Year: 1998
Price: $168.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization
627 .	Experimental Design and Analysis

Table of Contents

Review of Methodology:
Polymer Analysis
Copolymers and Condensation Products
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Compositional Analysis
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Preliminary Qualitative IdentificationAnalytical Methods:
Polymer Analysis (52 methods)
Copolymers and Condensation Products (12 methods)
Determination of Elements (25 methods)
Compositional Analysis (8 methods)
Additive Mixtures (6 methods)
Preliminary Qualitative Identification (5 methods)
Index

Reviews - Synopsis - Dust Jacket

This laboratory manual reviews over 100 chemical and physical methods for analysis of polymers in such detail that chemists can apply the methods — many of which are previously unpublished — directly from the book. It contains a prodigious amount of current information on all types of polymers, copolymers, polymer additives, volatiles, monomers, pigments, and more.From the Preface: "...The book aims to cover all analytical aspects using both chemical and physical methods and is intended as a manual for use in the laboratory. The book offers the student and general reader a complete picture of all aspects of polymer analysis, including not only the polymer itself, but also deliberately added non-polymeric processing chemicals used during manufacture, chemicals added to improve polymer properties during service life, and impurities such as water and processing solvents, unreacted monomers, etc."Target Audience: Academic and commercial researchers; industri technologists, quality and laboratory analysts, and process engineers; and students concerned with these disciplines.

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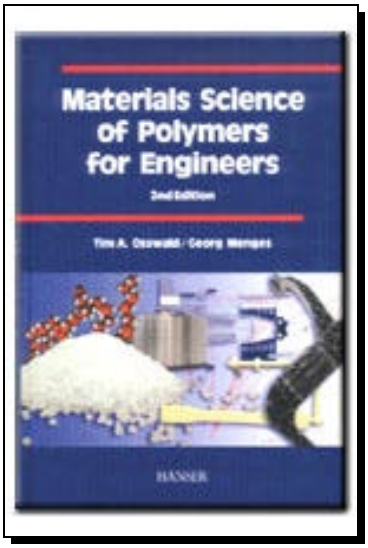
Title	Location	Edition / Series / Misc.

1014 **Materials Science of Polymers for Engineers, 2nd Ed.**

Author: Tim A. Osswald and Georg Menges
Publish.: Hanser Gardner
- place:
- date: 2003
Subject: Materials Science - Polymer Characterization - Polymer Science
Desc: 640 p, 6.3 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1569903484
Shelf

Edition:
Series:
Year: 2003
Price: $73.50



Subjects

609 .	Materials Science
610 .	Polymer Science
613 .	Polymer Characterization

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Introduction to Polymers
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Structure of Polymers
Thermal Properties of Polymers
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Permeability Properties of Polymers
Acoustic Properties of Polymers
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Reviews - Synopsis - Dust Jacket

This revised and expanded second edition focuses on performance as determined by processing conditions, polymer type, and design considerations. It covers polymer structure, thermal properties, melt rheology, mixing, solidification effects, mechanical behavior, failure analysis, and material properties overviews. The most important change made to this edition is the inclusion of additional real-world examples and the presentation of a variety of problems at the end of each chapter. There is also a new chapter introducing polymers from an historical perspective.Materials Science of Polymers, 2nd Ed.
main sections — basic principles, the influence of processing on properties, and engineering design properties. The first section provides historical background and discusses basic material properties, molecular structure, and thermal properties. The second section introduces the reader to the importance of processing conditions on material attributes. The final section covers the different properties that need to be considered when designing a polymer component, and analyzing its performance.From the Preface: "#147;...A new chapter containing the history of polymers replaced a few pages in the first edition...[W]e found that introducing polymers from a historical perspective not only made the topic less dry, but it also gave us a chance to show the role polymers have played, for better and for worse, while shaping today's industrial world. The mixing chapter in the first edition was replaced with a comprehensive polymer processing chapter. The first edition was praised because of the vast number of graphs and data that can be used as a reference. We have further strengthened this attribute by adding a table in the appendix that contains material property graphs for several polymers..."Target Audience: Engineers, technicians, and engineering students
interested in how the materials science and processing of polymers affect the design process.

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Title	Location	Edition / Series / Misc.

1270 **Mechanical Properties and Testing of Polymers: An A - Z Reference**

Author: G.M. Swallowe, ed.
Publish.: Kluwer Academic
- place:
- date: 1999
Subject: Polymer Characterization - Plastics Processing Technology - Polym
Desc: 314 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 412801701
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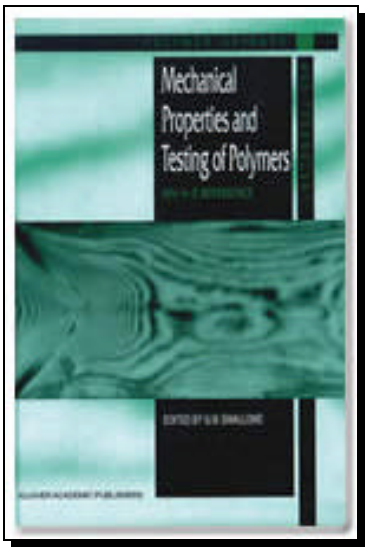
Edition:
Series:
Year: 1999
Price: $141.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This volume provides a fully cross-referenced and concisely presented overview of the most important aspects of the mechanical properties of polymers. Short articles address general polymer properties, modeling, testing, and theory, providing an invaluable quick reference guide for the busy professional as well as an excellent resource for advanced students. There is extensive coverage of several topics which have been under-represented in prior publications.From the Preface: "...I have also attempted to cover areas of polymer science which have been relatively neglected in non-specialised texts but which I feel are of some importance. These are, in particular the areas of high strain rate behavior, anelastic deformation, adiabatic shearing, rapid fracture, friction and wear as well as the predictive areas of structure—property relationships. I have also included articles on more exotic techniques such as neutron diffraction and computer modeling which are increasingly being used to advance polymer science as well as on the much neglected topic of the Poisson's ratio of polymers..."Target Audience: Upper-level undergraduate and graduat students,
experienced workers, and those who require a rapid overview of polymer mechanical behavior.Partial Table of Contents:Adhesion of Elastomers
Adiabatic Shear Intensity
Crazing
Creep
Crystallinity
Dynamic Mechanical Analysis Techniques and Complex Modulus
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Appendix 2: Glossary
Appendix 3: Table of Mechanical Properties
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Title	Location	Edition / Series / Misc.

1046 **Mechanics of Rollers**

Author: David R. Roisum
Publish.: TAPPI Press
- place:
- date: 1996
Subject: Converting Technology - Coating Processes - Extrusion - Plastic Fi
Desc: 317 p, 7 x 10 Paperback

Dynix:
Call No.:
ISBN: 898523133
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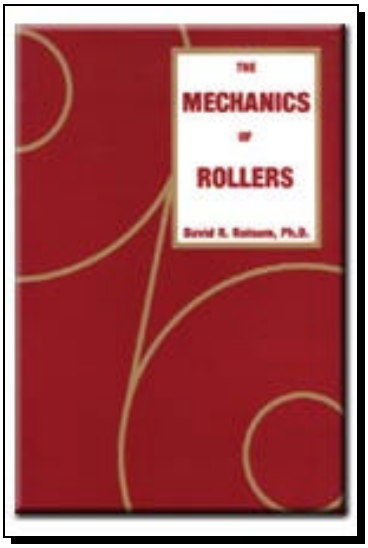
Edition:
Series:
Year: 1996
Price: $71.50



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235 .	Coating processes
598 .	Extrusion
620 .	Converting Technology

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Electric Drives
Temperature Control
Cores, Chucks and Shafts
Spreaders
Specialty Rollers and Elements
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Appendices
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IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3088.html">The Mechanics of Winding
href="http://www.polysurfacesbookstore.com/pages/3200.html">The Mechanics of Web Handling

Reviews - Synopsis - Dust Jacket

The Mechanics of Rollers
application of rollers in a comprehensive yet easy-to-use reference work. It covers design, application, and maintenance for rollers of all sizes, shapes, and webs.From the Preface: "...We can better understand the importance of rollers if we change our perspective to see the world from the web's viewpoint. Almost everything in a web's universe is rollers and the spans between rollers. From this vantage it now becomes clear that not only are rollers important, thay are the most important element in a web process..."Target Audience: Vital for personnel who buy, sell, or specify rollers; also for machine designers, process engineers, and maintenance personnel in the paper, film, foil, nonwovens, textiles, and converting industries.

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Title	Location	Edition / Series / Misc.

1111 **Mechanics of Web Handling**

Author: David R. Roisum
Publish.: TAPPI Press
- place:
- date: 1998
Subject: Converting Technology - Coating Processes - Extrusion - Packaging
Desc: 233 p, 7 x 10 Paperback

Dynix:
Call No.:
ISBN: 89852346
Shelf

Edition:
Series:
Year: 1998
Price: $83.50

Subjects

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598 .	Extrusion
620 .	Converting Technology

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Crossweb Tension Variations
Temporal Tension Variations
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Winding
Wrinkling
Web Breaks
Appendices
Glossary
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3087.html">The Mechanics of Rollers
href="http://www.polysurfacesbookstore.com/pages/3088.html">The Mechanics of Winding

Reviews - Synopsis - Dust Jacket

This unique book will help readers understand how to design and operate web equipment to avoid wrinkles, web breaks, registration, guiding, and other web problems. It covers many aspects of web handling for manufacturing, converting and printing, and is applicable to any web, including paper, film, foil, novnwovens, and textiles. Highly recommended. From the Preface: “The goal of web handling is simple: to move a web as quickly and as reliably as possible through a machine. Web handling seeks to preserve a web as contrasted to manufacturing which creates it and converting which modifies it. Preservation might include, for example, geometries so that the web remains free of breaks, cracks, wrinkles, and unintended size changes. Preservation also might include protecting the web's properties or even its passengers such as coatings and inks...”Target Audience: Product, process, and maintenance engineers
responsible for web machinery and operations; plant managers; quality specialists.

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Title	Location	Edition / Series / Misc.

1047 **Mechanics of Winding**

Author: David R. Roisum
Publish.: TAPPI Press
- place:
- date: 1994
Subject: Converting Technology - Composites, Laminates, and Fibers -
Desc: 247 p, 7 x 10 Paperback

Dynix:
Call No.:
ISBN: 898522811
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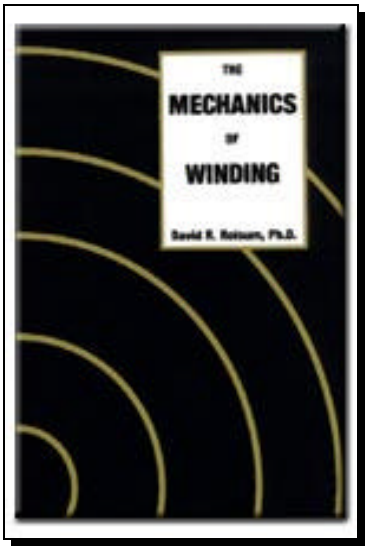
Edition:
Series:
Year: 1994
Price: $75.00



Subjects

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620 .	Converting Technology
625 .	Composites, Laminates, and Fibers

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Vibration
Productivity
Machine Elements
Appendices
Glossary
Bibliography
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3087.html">The Mechanics of Rollers
href="http://www.polysurfacesbookstore.com/pages/3200.html">The Mechanics of Web Handling

Reviews - Synopsis - Dust Jacket

This practical, comprehensive guide covers winding from basics through advanced theory. It shows how to troubleshoot winding problems and wound roll defects, while offering explanations of why the problems occur.From the Preface: "...This book could have bee 'How to Wind a Good Roll,' because that is what it is about. However, the title Mechanics of Winding physical law. This book differs from most other publications about winding in that it primarily describes the process instead of the machinery. This is a more powerful approach because someone with a process knowledge of winding can apply it to any web, for any application and on any winding machine. Most importantly, however, this book describes how things work. Product designers can use it to select specifications that are physically achievable. Process engineers can use it to determine how to achieve those specifications through machinery selection and operation..."Target Audience: Plant managers, technologists, maintenance personnel, machinery designers, and others concerned with winding and converting operations.

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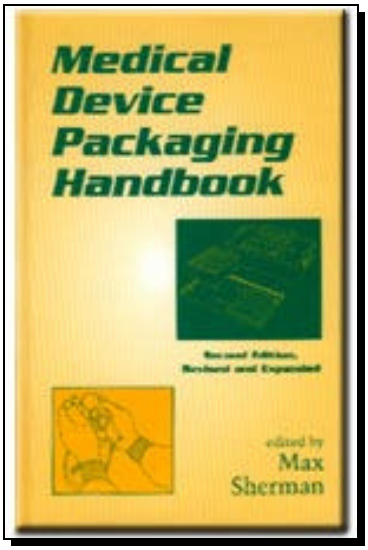
Title	Location	Edition / Series / Misc.

1144 **Medical Device Packaging Handbook**

Author: Max Sherman, ed.
Publish.: Marcel Dekker
- place:
- date: 1998
Subject: Packaging Technology - Biopolymers and Medical Applications -
Desc: 410 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824701992
Shelf

Edition:
Series:
Year: 1998
Price: $153.50



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622 .	Biopolymers and Medical Applications
629 .	Packaging Technology

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Bar-Code Labeling
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Storage Autoclave Case Systems and Instrument Cassette Designs
Packaging Needs for the Health-Care Facility
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Reviews - Synopsis - Dust Jacket

Thoroughly authoritative with contributions from experts in the field, this completely revised and expanded second edition of the Device Packaging Handbook industry practices and standards related to medical device packaging in a readily accessible format.Showing how to comply with recent FDA Quality Systems Good Manufacturing Practices (GMP), European Medical Device Directives, ISO 14000, and other international standards and requirements, the book offers entirely new as well as revised chapters on international standards and compliance; sterilization techniques such as vapor phase processes; package validation methods and integrity testing; customer needs; packaging materials; and much more.From the Preface: "...The packaging field is dynamic — international and domestic regulatory requirements are added periodically, new sterilization methods appear, packaging materials change, new standards are written, packaging and bar-coding equipment becomes more sophisticated, and concern for the environment increases. All of these changes were considered and were instrumental in the decision to revise the first edition..."Target Audience: Packaging, validation, process, and materials engineers; packaging designers; microbiologists; toxicologists; pharmacologists; pharmacists; drug manufacturers, distributors, and suppliers; quality assurance and food and drug regulatory personnel; and upper-level students in these disciplines.

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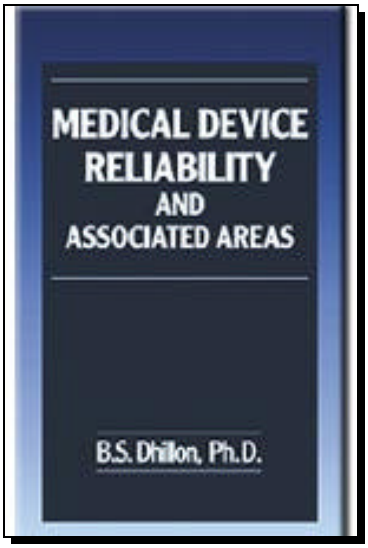
Title	Location	Edition / Series / Misc.

1334 **Medical Device Reliability and Associated Areas**

Author: B.S. Dhillion
Publish.: CRC Press
- place:
- date: 2000
Subject: Biopolymers and Medical Applications - QA/QC. Statistics. and Test
Desc: 256 p. 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 849303125
Shelf

Edition:
Series:
Year: 2000
Price: $108.50



Subjects

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Medical Device Costing
Medical Device Maintenance and Maintainability
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Reviews - Synopsis - Dust Jacket

The application of the principles of reliability engineering to medical devices is relatively recent, and its treatment in the published literature has been quite limited. Nevertheless, it is critical that the engineering, biomedical, manufacturing, and design communities have up-to-date information on current developments, tools, and techniques pertinent to the prediction, measurement, and improvement of medical device reliability.Medical Device Reliability and Associated Areas information in one volume, covering a wide range of topics related directly and indirectly to reliability, including human error in health care systems and software quality assurance. The emphasis is on concepts rather than mathematical rigor; a multitude of examples, exercises, tables, and references are included.From the Preface: "...Today, a large number of books on general reliability have been published. Only a few discuss medical device reliability but they lack a comprehensive and current coverage of developments in the field. The main objective of this book is to cover current developments in medical device reliability and associated areas, and provide useful tools and techniques to professionals working in the medical device industry. This book fulfills a vital need and puts emphasis on the structure of concepts rather than mathematical rigor and minute details..."Target Audience: Specifiers; designers; biomedical, reliability, and quality engineers; research, project, and product managers; and others in the medical device industry.

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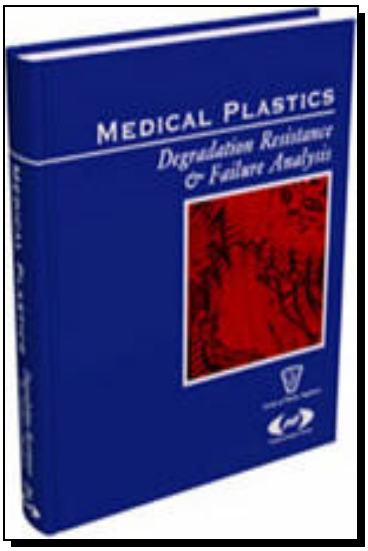
Title	Location	Edition / Series / Misc.

1104 **Medical Plastics: Degradation Resistance & Failure Analysis**

Author: Robert C. Portnoy, ed.
Publish.: Plastics Design Library
- place:
- date: 1998
Subject: Biopolymers and Medical Applications - Packaging Technology -
Desc: 220 p, 7 x 8.5 Hardcover

Dynix:
Call No.:
ISBN: 188420760
Shelf

Edition:
Series:
Year: 1998
Price: $118.50



Subjects

622 .	Biopolymers and Medical Applications
628 .	Plastics Processing Technology
629 .	Packaging Technology

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Validating Materials for Packaging: Controlling the Front End
Failure Analysis of Polymeric Medical Devices
Materials Analysis Techniques for Medical Devices
Using Burst Testing to Evaluate Sterile Blister Packaging
Servohydraulic Testing Systems for Biomaterials
Measuring Residual Stress in Transparent PlasticsBehavior of Materials:
The Changes in Ethylene Oxide Sterilization and Their Effect on Thermoplastics
Understanding Environmental Stress Cracking in Polyethylene
Failure Morphology of Injection Molded High Density Polyethylene, HDPE, Component with Living Hinge
What Makes Clear Polypropylene Discolor?
Effect of Gamma Radiation on Isothermal Crystallization of Polypropylene
Evaluation of Irradiated Polypropylenes by Strain Rate Dependance of Tensile Properties
Polypropylene Response to High-Energy Radiation
Plastomer Modified Polypropylene Films for Medical Product Packaging
Predicting Post-rad Shelf-life from Accelerated Aging Data: The D&A Process
Chemical Resistance of Polycarbonate
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Reprocessing of Medical Vinyl Compounds
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Effects of Saline Environment on the Properties of PEEK and Epoxy Composites
The Advantages of Utilizing Thermoplastic Polyesters in Medical Devices Subjected to Harsh Environments
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Fiber Reinforced Composite Materials for Dental Appliances
Non-Conventional Processing Routes on the Development of Anisotropic and Biodegradable Composites of Starch Based Thermoplastics Reinforced with Bone-Like CeramicsAssembly of Plastic Parts:
Joining Plastics in Medical Devices: Problems and Solutions
Effective Use of Adhesives in Medical Device AssemblyPackaging Materials:
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Light Transmittance of a Thin-Wall Container Made from Isotactic Polypropylene
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Reviews - Synopsis - Dust Jacket

This collection of peer-reviewed papers presents information on the formulation, design, performance testing, and applications of plastics in medical devices, with an underlying focus on material degradation and failure analysis. Topics include performance requirements, analytical methods, and a myriad of causes and effects of degradation.The opening chapter of Failure Analysis

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plastics and the specific performance characteristics they require. The following chapters discuss various degrading environments and their effects, including environmental stress cracking, effect of body liquids, effect of harsh environments, and various methods of sterilization. It also discusses the failure of medical devices due to contamination, low temperature, the effects of UV light, migration of formulation components, mechanical stresses, and problems with design and fabrication. Case histories of failures of some common products used in medicine are also provided.From the Foreword: "...The success of this book will depend upon the reader's appreciation of its combination of an eclectic range of papers which, nevertheless, are unified by the underlying theme: improvement of the performance of medical devices and packages through the understanding of their many modes of failure. Included are both tutorial papers reviewing well established areas of technology and research accounts covering the latest developments in technical areas...It is hoped that this material will be useful. It represents both the long developed state of the medical plastics art and the latest information which can be offered."Target Audience: Every reader concerned with the research, design, processing, and use of medical plastics.

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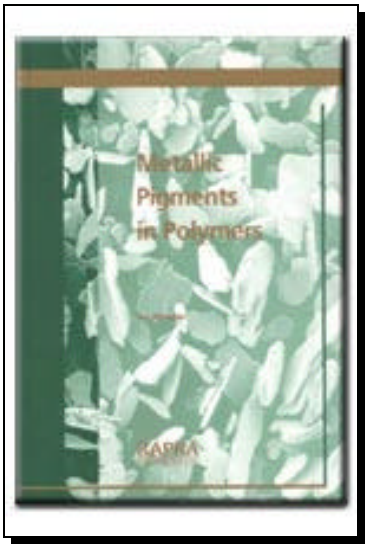
Title	Location	Edition / Series / Misc.

1355 **Metallic Pigments in Polymers**

Author: Ian Wheeler
Publish.: Rapra
- place:
- date: 1999
Subject: Pigments, Dyes, and Colorants - Recommend this Site
Desc: 248 p, 7.2 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 1859571662
Shelf

Edition:
Series:
Year: 1999
Price: $141.50



Subjects

626 .	Pigments, Dyes, and Colorants
715 .	Recommend this Site

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Introduction and History
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Manufacture
Pigment Characteristics
Delivery Forms
Comparison of Mass Pigmentation and Coating
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Conversion Processes
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Powder Coatings
Non-Colouristic Applications
Health, Safety and Handling
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Reviews - Synopsis - Dust Jacket

There has been increased interest recently in the use of metallic pigments. Metallic pigments are found in many everyday objects, from household items and sporting goods to the coatings on scratch cards. Color is one of the key factors that influences a customer purchase decision — this key fact makes this detailed consideration of metallic pigments a valuable addition to the literature.Metallic Pigments in Polymers anyone who is about to start working with metallic pigments; it also, however, contains a wealth of information which will make it a handy reference for those already involved with these pigments.From the Preface: "...The tone [of this book] is practical, r than theoretical. The intention is to teach the features and benefits of this novel class of pigments, to allow users to achieve the best possible visual result with the most economical cost in use. It is also hoped that those not already familiar with metallic pigments will be persuaded to explore their potential to add value to their products..."Target Audience: Any reader with a practical interest in the u metallic pigments in polymers, from coatings formulators to metallic pigment manufacturers to designers and engineers working with molded plastics.

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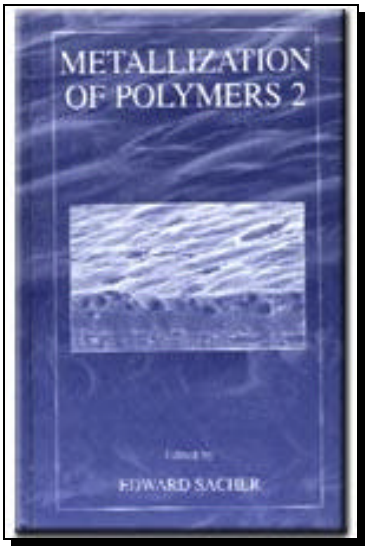
Title	Location	Edition / Series / Misc.

1426 **Metallization of Polymers 2**

Author: Edward Sacher, ed.
Publish.: Plenum Press
- place:
- date: 2002
Subject: Polymer Surface Modification - Coating Processes - Surface
Desc: 216 p, 6.5 x 9.7 Hardcover

Dynix:
Call No.:
ISBN: 306472538
Shelf

Edition:
Series:
Year: 2002
Price: $146.50



Subjects

235 .	Coating processes
602 .	Polymer Surface Modification
608 .	Surface Characterization and Analysis

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New Instrumentation:
Surface Analysis Using Confocal Raman Micro-Spectroscopy
Ellipsometric Characterization of the Optical Constants of Metals: Thin Film vs. Nanoparticle
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Nanoindentation of Microsprings and MicrocantileversLow Permittivity Materials:
Physical and Interfacial Properties of Low Permittivity Polymers: Cyclotene, SiLK and Ultra-Low K
Mechanical Properties of Cured SiLK Low-K Dielectric Films
Plasma-Polymerized Fluoropolymer Thin Films for Microelectronic ApplicationsPolymer Metallization:
Fundamental Aspects of Polymer Metallization
The Study of Copper Clusters on Dow Cyclotene and their Stability
Adsorption of Noble Metal Atoms on Polymers
Nucleation and Growth of Vapor-Deposited Metal Films on Self-Assembled Monolayers Studied by Multiple Characterization ProbesBarrier Layers:
Morphological Investigations of Low-K Polymer/Diffusion Barrier Interfaces for IC Metallization
Chemistry in the Initial Formation of Nitride Barriers on Low-K Dielectrics
Capabilities and Limitations of RBS to Characterize Hyper-Thin Silicon Compound on Various Polymeric SubstratesAdhesion Enhancement:
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Plasma and VUV Pretreatments of Polymer Surfaces for Adhesion Enhancement of Electrolessly Deposited Ni or Cu Films
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Reviews - Synopsis - Dust Jacket

This volume contains 16 papers originally presented at the Montreal Workshop on Polymer Metallization, held at the Ecole Polytechnique, June, 2001, in Montreal. The intent of this volume is to highlight new findings, bringing those in the field up to date on a variety of topics related to polymer metallization.The papers contained in recent finding that the metallization initially deposits onto low permittivity polymers in the form of clusters. Low permittivity polymers are explored, as are several instrumental methods for evaluating cluster dimensions and exploring cluster behavior. The morphology and chemistry of barrier layer formation are presented, as are new methods of metal adhesion.From the Preface: “As the demands put on the polymer/metal interface, particularly by the microelectronics industry, become more and more severe, the necessity for understanding this interface, its properties and its limitations, becomes more and more essential. This requires a broad knowledge of, and a familiarity with, the latest findings in this rapidly advancing field..."Target Audience: Any researcher, scientist, technologist, engineer, or upper-level student concerned with polymer metallization and its applications.

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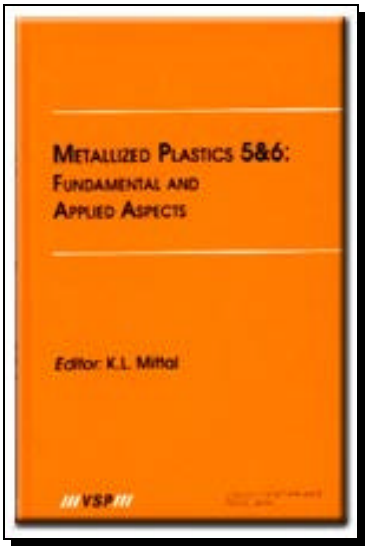
Title	Location	Edition / Series / Misc.

1392 **Metallized Plastics 5 & 6: Fundamental and Applied Aspects**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 1998
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating
Desc: 448 p, 6.6 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067642908
Shelf

Edition:
Series:
Year: 1998
Price: $108.50



Subjects

235 .	Coating processes
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Reviews - Synopsis - Dust Jacket

The papers in this volume were originally presented at the 5th and 6th Symposia on Metallized Plastics: Fundamental and Applied Aspects held in Los Angeles (May 1996) and Paris (September 1997), respectively. The book is organized in three parts: metallization techniques and metal deposit properties; spectroscopic investigation of interfacial interactions; and surface modification and adhesion aspects.From the Preface: "...This volume contains a total of 2 papers (15 from the Los Angeles Symposium and 14 from the Paris Symposium) addressing many aspects and new developments in the field of metallized plastics....It should be recorded that all manuscripts were properly reviewed and suitably revised before inclusion in this volume. Also it should be underscored that the authors of the Los Angeles Symposium were asked to update the information. So the information presented in this book should be fresh and up-to-date..."Target Audience: Researchers, technologists, and students interested in the fundamental or applied aspects of metallization of plastics.Partial Table of Contents: Metallization Techniques and Properties of Metal Deposits:Electroless Metallization of Polymers: Simplification of the Process by Using Plasma or UV-Laser Pretreatment
Pulsed Laser Deposition of TiN on PMMA and Polyimide: A Novel Route for Polymer Metallization
Substrate Heating During Sputter Coating of Polymers
High Rate Coating of Plastic Films and Plastic Sheets with Clear Oxide Layers
New Generation Sputtering and Plasma Polymerization Plant for Metallization of Plastics
Electrodeposition of Copper on PVC Using Soluble Polyaniline
Plastics Metallization Using a Dynamic Chemical Plating ProcessSpectroscopic Investigation of Interfacial Interactions:The Application of Near-Edge X-Ray Absorption Fine Structure (NEXAFS) Spectroscopy and X-Ray Photoelectron Spectroscopy (XPS) in Surface Analysis of Chromium-Evaporated Polymers and Organic Films
Penetration of Deposited Au, Cu, and Ag Overlayers through Alkanethiol Self-Assembled Monolayers on Gold or Silver
Early Stages of Copper/Polyimide Interface Formation
The Deposition of Copper onto Teflon AF1600: An XPS Comparison of Vapor Deposition and Sputtering
Bulk and Interface Degradation Processes in Polymer Electroluminescence DevicesSurface Modification and Adhesion Aspects:
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Study of the He-NH
Stability of the Plasma Treated Polypropylene Surface
Surface Modification of Polymers Used in the Low Earth Orbit Space Environment
Ion Beam Induced Adhesion at Metal—Polymer Interfaces
Changes in the Adhesion Strength Between Copper Thin Films and Polyimide Substrates after Heat Treatment
A Quantitative Adhesion Test for Metal Coated Polymer Fibres
Non-Destructive Techniques for Monitoring Metallized Plastics Adhesion

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Metallized Plastics 7: Fundamental and Applied Aspects

Title	Location	Edition / Series / Misc.

1384 **Metallized Plastics 7: Fundamental and Applied Aspects**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2001
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating
Desc: 316 p, 6.2 x 9.4 Paperback

Dynix:
Call No.:
ISBN: 9067643408
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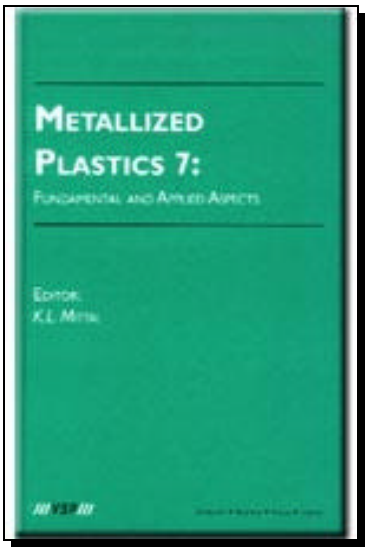
Edition:
Series:
Year: 2001
Price: $105.00



Subjects

235 .	Coating processes
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Reviews - Synopsis - Dust Jacket

The 16 rigorously peer-reviewed and revised papers in this volume were originally presented at the
Fundamentals and Applied Aspects
1999. The topics covered include metallization techniques for various plastics, including some novel developments involving suitable plastic pretreatments; modification of polymers by plasma and ion-assisted reaction; metal doped plasma polymer films; metal—polyimide nanocomposite films; investigation of metal/polymer interactions by a variety of techniques; ways to improve adhesion of metal/polymer systems; modeling of metal/polymer interfaces; application of surface analytical techniques in the arena of metallized plastics; ultrathin films on metal surfaces; and more.From the Preface: "...This event reflected a continuation of the series of symposia initiated in 1988 to update and consolidate on a regular basis the R&D activity in the arena of metallized plastics which over the years has evinced tremendous interest from both fundamental and applied points of view..."Target Audience: Any researcher, technologist, or upper-level student interested in the fundamental or applied aspects of metallized plastics.Partial Table of Contents:
Metallization Techniques and Properties of Metal Deposits:New Approaches for Electroless Plating Processes by Activation of
Polymer Surfaces Using Low Pressure Plasma and Dielectric-Barrier Discharge Devices
Metallization of Polymers by Plasma Pretreatment Followed by an Electroplating Process
Plasma Pretreatment of Ultra-Drawn UHMWPE and the Consequence for Vapor Deposited Silver Adhesion
Integration of Plasma Pretreatment, Metallization, and Plasma Polymerization for Improved Aluminum Mirror Quality in Large-Scale Car Lighting Production
Metallization of Surface Modified Fluoropolymers
Metallization of Polymers Modified by Ion-Assisted Reaction (IAR)
Surface "Metallization" of Poly(tetrafluoroethylene) Films with a "Synthetic Metal"
Metal Doped Plasma Polymer FilmsInterfacial and Adhesion Aspects:
Modification of Poly(tetrafluoroethylene) and Copper Surfaces by Graft Polymerization for Adhesion Improvement
Chemical Structure Determination, Modeling, and Adhesion Enhancement of Metal/Polymer Interfaces
The Fundamental State of Poly(ethylene terephthalate) and Its Interaction with Evaporated Aluminum
Applications of Surface Analytical Investigations in Understanding Interfacial Bonding of Metallized Plastics
Ultrathin Polyaniline Films on Metal Surfaces: Growth, Polymerization, and Conductivity

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Title	Location	Edition / Series / Misc.

1138 **Metallized Plastics: Fundamentals and Applications**

Author: K.L. Mittal, ed.
Publish.: Marcel Dekker
- place:
- date: 1998
Subject: Polymer Surface Modification - Adhesives and Adhesion - Coating
Desc: 392 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824799259
Shelf

Edition:
Series:
Year: 1998
Price: $158.50

Subjects

235 .	Coating processes
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Metallization Techniques and Properties of Metal Deposits:
Designing of Organometallics for Vapor Phase Metallization of Plastics
Laser-Induced Selective Copper Deposition on Polyimides and Semi-conductors from Solution
High Resolution Metallization of Poly(tetrafluoroethylene)
Preparation and Characterization of Metallized Polymer Films Formed from Poly[4-(terephthaloylamino) salicyclic acid hydrazide]—Metal ChelatesMetallization of Aramid Fibers and Film Through Aramid Anion ChemistryMetallization of Polymerized Vesicles Formed from Mixtures of Zwitterionic and Negatively Charged Phospholipids
Selective Metallization of Optically Variable Devices
Metal Diffusion During Metallization of High-Temperature Polymers
Magnetic Properties of Metal Layer Generated by Reduction of Polymer Containing Metal Ion
Solid Phase Dispersion of Ultrafine Particles into a Polymer Through Thermal Relaxation
Relaxational and Interfacial Properties of Fine Metal Particles—Polymer CompositesInvestigation of Interfacial Interactions:
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Metal/Polymer Interfacial Interactions: Chromium-Fluorinated Poly(aryl ether)
In Situ Study of the Metal—Polymer Interface Formation by Static SIMS: Cases of Al and Cu on PET
Applications of HREELS to Metal—Polymer Systems
VUV Photoemission Study of Metallized Polymer Surfaces
The Reactivity of Low-Workfunction Metals on Conjugated Polymer Surfaces: A Photoelectron Spectroscopy Study
Theoretical Studies of Metal/Conjugated Polymer Interfaces: Aluminum and Calcium Interacting with Pi-Conjugated Systems
Computer Simulation of Dielectric Relaxation at Metal—Insulator InterfacesPlastic Surface Modification and Adhesion Aspects of Metallized Plastics:
Plasma Surface Treatment in Metal—Polymer Systems: Interface Properties and Adhesion
Rearrangement of Functional Groups of Plasma-Treated Polymer Surfaces by Contact Angle Measurement
Surface Modification of Aramid Fibers by a Low Temperature Plasma to Improve Their Adhesion
Chemical and Physical Surface Modifications of Polymers by Ion Beam Treatments
Metal/Polymer Adhesion: Effect of Ion Bombardment on Polymer Interfacial Reactivity
An Aqueous Pretreatment to Facilitate the Bonding of Electrolessly- and Electrolytically-Deposited Metals to Polyetherimides
The Nature of the Metal/Polyetherimide Chemical Bond
Adhesion of Metals to Fluorocarbon Polymers
Dynamic Fracture Mechanism of Thin Metallized Plastics via the Blister Test

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Reviews - Synopsis - Dust Jacket

Based on a conference sponsored by the Electrochemical Society, held during May 1993 in Honolulu, this practical reference guide integrates recent findings on metallized plastics and their far-reaching applications. The authors have updated information to reflect new developments and technologies. This practical reference guide includes extensive discussions of surface and interfacial aspects of metallization and adhesion.Addressing both basic and applied aspects of the subject, Plastics: Fundamentals and Applications metal deposits; investigates metal/polymer interfacial interactions using methods from ESCA and SIMS to HREELS and UV photoemission; presents computer simulations of dielectric relaxation at metal/insulator interfaces; covers the use of the blister test to study dynamic fracture mechanisms in thin metallized plastics; and much more.From the Preface: "...There are a legion of applications for metallized plastics, ranging from the very mundane (e.g., as decorative coatings) to high-tech (in microelectronics). Even a cursory look at the current literature will evince that the topic of metallized plastics is pursued with very keen interest, and all signals indicate that this high tempo of interest and R&D activity will continue unabated..."Target Audience: Plastics, chemical, and microelectronics packaging engineers; polymer, surface, and colloid chemists; plastics technologists; adhesion and thin film scientists and technologists; and graduate-level students in these disciplines.

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Title	Location	Edition / Series / Misc.

1204 **Metallocene Technology in Commercial Applications**

Author: George M. Benedikt, ed.
Publish.: Plastics Design Library
- place:
- date: 1999
Subject: Plastics Processing Technology - Extrusion - Plastic Films
Desc: 321 p, 7 x 8.5 Hardcover

Dynix:
Call No.:
ISBN: 1884207766
Shelf

Edition:
Series:
Year: 1999
Price: $118.50

Subjects

301 .	Plastic films
598 .	Extrusion
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This volume focuses on the commercial use and process improvements of resins produced with metallocene, single site, and other modern catalytic methods. It explores new and improved polymer blends resulting from the use of new catalysts and improved polymer compatability. The book discusses extrusion, film and foam manufacture, fiber spinning, composites, test methods and characterization, morphology and crystallization, and more, revealing new applications which are based on improved and balanced properties.From the Preface: "...The present book is based on 40 papers presented at the ANTEC 98 and 99 and other conferences. As a general observation, the center of gravity has shifted from polymer manufacturing to application development...The bulk of the book describes, in the chapter Processing, the development work in adapting these new, now commercial materials into specific applications, using appropriate processing methods and techniques..."Target Audience: Researchers, technologists, and students concerned with the development and applications of metallocene technology.Brief Table of Contents:Catalytic Systems
Blending
Extrusion
Film Forming
Injection Molding
Other Processing Methods
Properties
Markets
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Title	Location	Edition / Series / Misc.

1368 **Metallocene-Based Polyolefins: Preparation, Properties and Technology**

Author: John Scheirs and Walter Kaminsky, eds.
Publish.: John Wiley & Sons
- place:
- date: 2000
Subject: Polymer Science - Plastic Films - Plastics Processing Technology
Desc: 1150 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471980862
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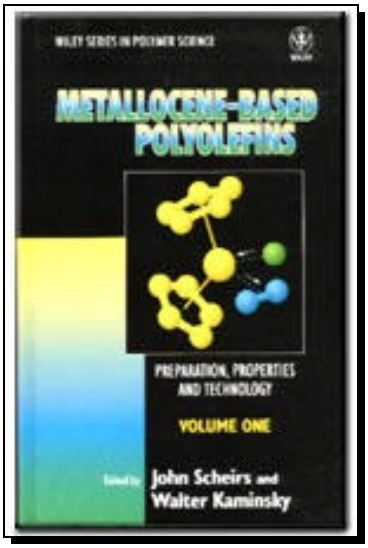
Edition:
Series:
Year: 2000
Price: $558.50



Subjects

301 .	Plastic films
610 .	Polymer Science
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

The manufacture of polyolefins by metallocene catalysts represents a revolution in the polymer industry. The first patent for a metallocene catalyst was filed in 1980 but it has been the last five years that have seen a dramatic increase in the volume of research into metallocenes and the maturing of metallocene technology.With contributions from leading experts from the U.S., Canada, Italy, Scandinavia, Germany, and Japan, this two volume set provides comprehensive coverage of all areas of metallocene technology, including catalyst structure, comonomer incorporation, polymerization, mechanisms and conditions, reactor configurations, special properties, rheological and processing behavior, comparison with conventional polyolefins, and fields of application.From the Preface: "...Polymerization of olefin monomers with single-site metallocene catalysts allows the production of polyolefins (such as polyethylene or polypropylene) with a highly defined structure and superior properties. Furthermore, the structure of these metallocene catalysts can be varied to `tune' the properties of the polymer. Thus, for the first time it is possible to tailor carefully the properties of large-volume commodity polymers..."Target Audience: Plastics engineers, polymer chemists, physicists, materials scientists, and other professionals working in the plastics manufacturing and processing industries.Partial Table of Contents:Volume 1.
<Nature of Metallocene Catalysts:
Metallocene Polymerization Catalysts: Past, Present and Future
Alkylalumoxanes: Synthesis, Structure and Reactivity
MAO-Free Metallocene Catalysts for Ethylene (Co)Polymerization
Olefin Polymerization by Monocyclopentadienyl Compounds of Titanium, Zirconium, and Hafnium
Supported Metallocene Polymerization Catalysis
Nickel- and Palladium-based Catalysts for the Insertion Polymerization of OlefinsEthylene Polymerization:
Structure, Properties and Preparation of Polyolefins Produced by Single-site Catalyst Technology
New Developments in the Production of Metallocene LLDPE by High-pressure Polymerization
Metallocenes as Catalysts for the Copolymerization of Ethene with Propene and DienesPropylene Polymerization:
Synthesis of Isotactic Polypropylene by Metallocene and Related Catalysts
Synthesis and Properties of Metallocene Catalysts for Isotactic Polypropylene Production
Metallocene-catalyzed Syndiotactic Polypropylene: Preparation and Properties
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Metallocene Catalysts for 1,3—Diene Polymerization
New Functional Olefin Copolymers Synthesized by Metallocenes and Novel

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Organometallic CatalystsPlastomers and Elastomers:
Structure, Properties and Applications of Polyolefin Elastomers
Packaging Applications Using Enhanced Polyethylenes and Polyolefin
Plastomers Produced by Constrained Geometry Single-site Catalysts
Measurement, Mathematical Modeling and Control of Distribution of
Molecular Weight, Chemical Composition and Long-chain Branching of
Polyolefins Made with Metallocene CatalystsStyrene Polymerization:
Structure, Properties and Applications of Ethylene—Styrene
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Multi-Catalyst Reactor Granule Technology for the Production of
Metallocene Polymers
Metallocene Catalyst Technology in a Bimodal Polymerization ProcessRheology and Processing of Metallocene-Ba
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PolyolefinsApplications of Metallocene-Based Polyolefins:
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Medical Applications of Metallocene-catalyzed Polyolefins
Constrained Geometry-catalyzed Polyolefins in Durable and Wire and
Cable Applications
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1103 **Metallocene-Catalyzed Polymers: Materials, Properties, Processing & Markets**

Author: George M. Benedikt and Brian L. Goodall, eds.
Publish.: Plastics Design Library
- place:
- date: 1998
Subject: Plastics Processing Technology - Extrusion - Plastic Films - Polym
Desc: 396 p, 7 x 8.5 Hardcover

Dynix:
Call No.:
ISBN: 1884207596
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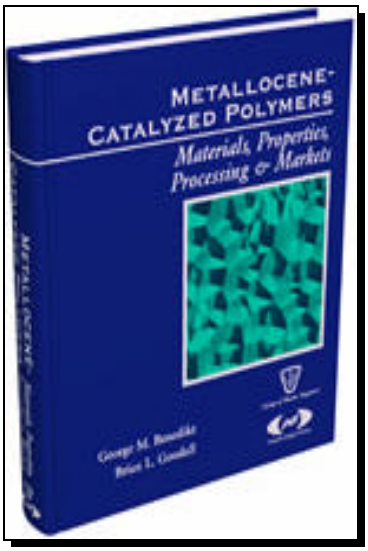
Edition:
Series:
Year: 1998
Price: $118.50



Subjects

301 .	Plastic films
598 .	Extrusion
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This multidisciplinary review explains how to engineer and produce materials with superior, well-defined properties. Organized in four major sections — materials, properties, processing, and markets — it discusses polyolefins, polystyrene, EPDM, morphology, melt rheology, crystallinity, blown film processing, and much more. This volume contains fifty peer-reviewed chapters, offering insights into applications in automotive components, food packaging, insulating films, non-woven fabrics, and medical devices, among others.From the Foreword: "...The phrase `Metallocence Revolution' was coined to explain the enormous changes brought about to polyolefin preparation and design as a result of the discovery and development of the metallocence catalysts. Initially the excitement in metallocences was limited to their ability to homopolymerize ethylene at unprecedented rates, but over the last several years it has become overly clear that metallocene catalysts (by virture of their well-characterized, homogeneous nature) offer the ability for rational design and tailoring of the catalysts..."Target Audience: Scientists and technologists in industry and academia seeking to understand and develop new processes and applications in metallocene-catalyzed polymer technology.Partial Table of Contents:Economic Factors for the Production of Metallocene and Perfluorinated
Cocatalysts
Polypropylene Reinvented — Cost of Using Metallocene Catalysts
New Approaches for Ziegler-Natta Catalysts for Polypropylene
High Moleculer Weight Atactic Polypropylene from Metallocene Catalysts: Influence of Ligand Structure and Polymerization Conditions on Molecular Weight
The Renaissance in Polyolefin Manufacturing Technology
Mixed Metallocenes for Designer Polymers
Semicrystalline Polyolefins — Narrow MWD and Long Chain Branching: Best of Both Worlds
Melt Rheology and Processability of Ethylene/Styrene Interpolymers
The Performance of Primary and Secondary Antioxidants in Polyolefins Produced with Metallocene Catalysts, Part 1: Preliminary Studies Comparing m-Syndiotactic and Isotactic Polypropylenes
Frictional Behavior of Polyethylenes with Respect to Density and Melting Characteristics
Processing Characteristics of Metallocene Propylene Homopolymers
Potential Film Applications of Metallocene-based Propylene Polymers from Exxpol Catalysis
Effect of Various Polyethylene Structures on Film Extrusion
Extrusion Behavior of Exxpol Metallocene Polypropylene
Polyethylene Blown Film Resins
Blown Film Characterization of Metallocene Resins Made in the Phillips Slurry Loop Process
Metallocene Linear Low Density Polyethylene Blends for Pouch Materials in High-Speed Hot-Liquid Filling Process
Blends of SIS Block Copolymers with Ultralow Density Polyethylenes
Impact of Metallocene Based Polypropylene on Existing Polypropylene Technologies and Markets
New Polyethylenes for Targetd Performance Based Applications

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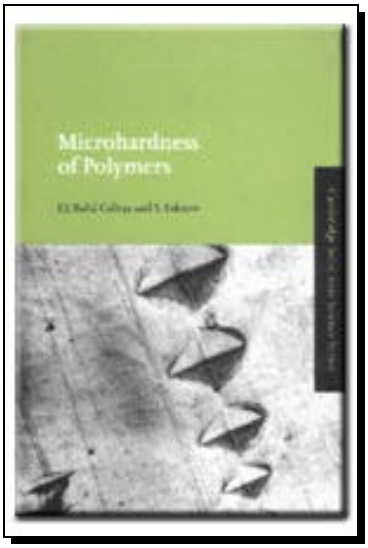
Title	Location	Edition / Series / Misc.

1296 **Microhardness of Polymers**

Author: F.J. Balta Calleja and S. Fakirov
Publish.: Cambridge University Press
- place:
- date: 2000
Subject: Polymer Science - Polymer Characterization
Desc: 262 p, 6.8 x 9.6 Hardcover

Dynix:
Call No.:
ISBN: 521642183
Shelf

Edition:
Series:
Year: 2000
Price: $78.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization

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Introduction
Microhardness Determination in Polymeric Materials
Microhardness of Glassy Polymers
Microhardness of Crystalline Polymers
Microhardness of Polymer Blends, Copolymers and Composites
Microhardness of Polymers Under Strain
Application of Microhardness Techniques to the Characterization of Polymer Materials
Index

Reviews - Synopsis - Dust Jacket

This book deals with the micromechanical characterization of polymer materials. It emphasizes microhardness as a technique capable of detecting a variety of morphological and textural changes in polymers. The authors provide a comprehensive introduction to the field, including descriptions of the various testing methods in materials science and engineering.Microhardness of Polymers of the microhardness technique for the characterization of polymeric materials, helping readers develop a solid understanding of the material. These real world examples include the influence of polymer processing, microhardness as related to weathering of polymers, the characterization of modified polymer surfaces, and others.From the Preface: "....The microhardness technique has been establishe as a means of detecting a variety of morphological and textural changes in crystalline polymers and has been used extensively in research. This is because microindentation hardness is based on plastic straining and, consequently, is directly correlated to molecular and supermolecular deformation mechanisms occurring locally at the polymer surface. These mechanisms critically depend on the surface morphology of the material. The fact that crystalline polymers are multiphase materials has prompted a new route in identifying structure and relating it to the resistance against local deformation (microhardness)..."Target Audience: Research workers in materials science, mechanical engineering and physics, and graduate level students of these disciplines.

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Microstructural Characterisation of Fibre-Reinforced Composites

Title	Location	Edition / Series / Misc.

1225 **Microstructural Characterisation of Fibre-Reinforced Composites**

Author: John Summerscales, ed.
Publish.: CRC Press
- place:
- date: 1998
Subject: Composites. Laminates. and Fibers - Polymer Characterization -
Desc: 334 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 849338824
Shelf

Edition:
Series:
Year: 1998
Price: $178.50

Subjects

613 .	Polymer Characterization
625 .	Composites, Laminates, and Fibers
631 .	Textiles and Nonwovens

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Introduction
Flexible Textile Composite Microscopy
3D Confocal Microscopy of Glass Fibre-Reinforced Composites
Geometric Modeling of Yarn and Fiber Assemblies
Characterisation of Yarn Shape in Woven Fabric Composites
Quantitative Microstructural Analysis for Continuous Fibre Composites
Electron Microscopy of Polymer Composites
Micromechanics of Reinforcement Using Laser Raman Spectroscopy
Acoustic Microscopy of Ceramic Fiber Composites
Index

Reviews - Synopsis - Dust Jacket

Fibre-reinforced composites are typically fabricated using filaments with microscopic diameters. Commercial applications use a variety of reinforcement forms from random arrays to fully aligned, and generally have some degree of clustering of the fibres. The microstructure is thus critical to the performance properties of the material. This book provides a contemporary review of the application of advanced microstructural characterization techniques to fibre-reinforced composites.From the Preface: "...The effective development of this c of materials involves a close understanding of the micromechanical features and the macroscopic performance. The use of microstructural characterisation techniques has been applied widely in extending this understanding. However, the literature has proliferated primarily in conference proceedings and journals across a wide range of subjects, throughout science, technology and engineering, with marginal coverage in a few books..."Target Audience: Materials scientists and technologists in industry or academia, as well as upper-level students of fiber, textiles, and materials science.

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Modern Approaches to Wettability: Theory and Applications

LASCT Holdings - maximum detail by Title **M**

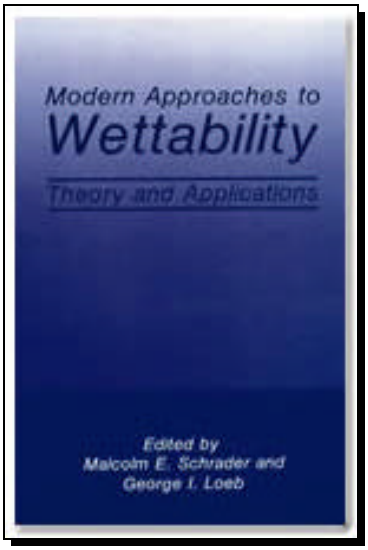
Title	Location	Edition / Series / Misc.

1003 **Modern Approaches to Wettability: Theory and Applications**

Author: Malcolm E. Schrader and George I. Loeb, eds.
Publish.: Plenum Press
- place:
- date: 1992
Subject: Polymer Surface Chemistry - Coating Processes - Colloids and
Desc: 474 p, 6.5 x 10 Hardcover

Dynix:
Call No.:
ISBN: 306439859
Shelf

Edition:
Series:
Year: 1992
Price: $165.00



Subjects

235 .	Coating processes
601 .	Polymer Surface Chemistry
621 .	Colloids and Emulsions

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The Modern Theory of Contact Angles and the Hydrogen Bond Components of Surface Energies
The Long-Range Attraction Between Macroscopic Hydrophobic Surfaces
High- and Medium-Energy Surfaces: Ultrahigh Vacuum Approach
Determination of the Surface Energy of Solids by the Two-Liquid-Phase Method
The Equation of State Approach to Interfacial Tension
Thermal Reconstruction of the Functionalized Interface of Polyethylene Carboxylic Acid and Its Derivatives
Block Copolymers and Hydrophilicity
Wettability and Bioadhesion in Ophthamology
Wettability of Surfaces in the Oral Cavity
Wettability as a Surface Signal for Sessile Aquatic Organisms
Wettability of Clay Materials
Penetration and Displacement in Capillary Systems
The Wetting Behavior of Fibers
Wettability Phenomena and Coatings
Spreading on Liquids: Effect of Surface Tension Sinks on the Behavior of Stagnant Liquid Layers
Nucleations on Smooth Surfaces
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Reviews - Synopsis - Dust Jacket

Modern Approaches to Wettability
wetting theory. It addresses underlying theory in depth, and presents a broad array of practical applications which draw from this theory.From the Preface: “This volume is dedicated to th memory of a pioneer
in the study of wettability and contact angle, as well as surface properties of materials in general: Dr. William A. Zisman...Dr. Zisman was always conscious of the benefit of maintaining a healthy balance between basic and applied research, realizing that their close association is synergistic. In agreement with that concept, as well as in tribute to his scientific leadership, we have tried to follow that tradition in this book...”Target Audience: Researchers, scientists, technologists, and students concerned with wettability and surface chemistry.

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Modern Aspects of Emulsion Science

LASCT Holdings - maximum detail by Title **M**

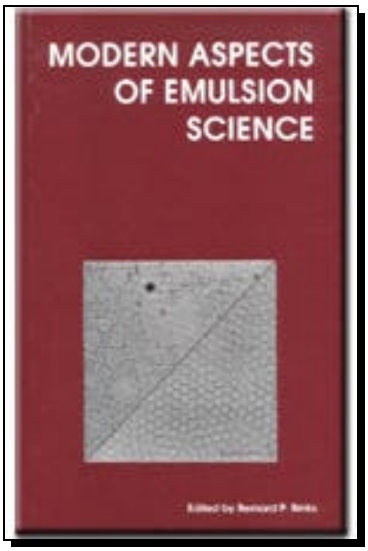
Title	Location	Edition / Series / Misc.

1220 **Modern Aspects of Emulsion Science**

Author: Bernard P. Binks, ed.
Publish.: Royal Society of Chemistry
- place:
- date: 1998
Subject: Colloids and Emulsions - Paints and Protective Coatings - Solubility
Desc: 442 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 854044396
Shelf

Edition:
Series:
Year: 1998
Price: $173.50



Subjects

605 .	Solubility and Surfactants
617 .	Paints and Protective Coatings
621 .	Colloids and Emulsions

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Emulsions — Recent Advances in Understanding
Emulsion Formation
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Emulsion Flocculation and Creaming
Rheology of Emulsions — The Relationship to Structure and Stability
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Coalescence in Emulsions
Lifetime and Destruction of Concentrated Emulsions Undergoing
Coalescence
Molecular Diffusion in Emulsions and Emulsion Mixtures
Interactions and Macroscopic Properties of Emulsions and MicroemulsionsGel Emulsions — Relationship Between
Phase Behaviour and Formation
Applications of Emulsions
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Reviews - Synopsis - Dust Jacket

Emulsions occur either as end products or during the processing of products in a huge range of areas including the food, agrochemical, pharmaceutical, paint, and oil industries. Despite over 100 years of research in the subject, however, a quantitative understanding of emulsions has been lacking.Modern Aspects of Emulsion Science description of both the scientific principles in the field and the very latest advances in research in this important area of surface and colloid science. Topics covered include emulsion formation, type, stability (creaming, flocculation, ripening, coalescence), monodisperse and gel emulsions, and applications. Emphasis has been placed on relating the chemistry of the surfactant or protein adsorbed at the oil—water interface to the principles of the physics involved in the bulk emulsion property.From the Preface: "...The primary objective book is to describe the most important developments in understanding emulsions which have appeared within the last 10 years or so...Each chapter contains the relevant scientific background to the particular area, followed by an in-depth and up-to-date account of more recent research findings..."Target Audience: Academic and industrial researchers and technologists, as well as upper-level students, concerned with emulsion science.

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Modern Characterization Methods of Surfactant Systems

LASCT Holdings - maximum detail by Title **M**

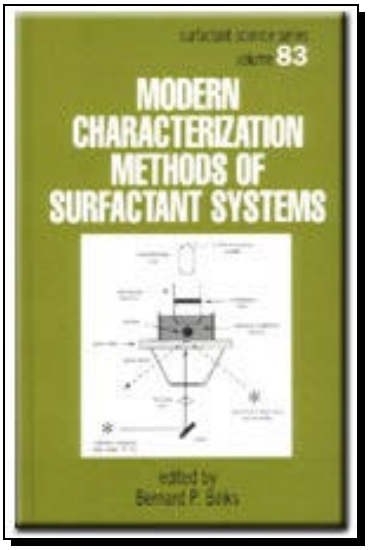
Title	Location	Edition / Series / Misc.

1227 **Modern Characterization Methods of Surfactant Systems**

Author: Bernard P. Binks, ed.
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: Solubility and Surfactants - Colloids and Emulsions - OA/QC.
Desc: 610 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824719786
Shelf

Edition:
Series:
Year: 1999
Price: $183.50



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Introduction: Modern Techniques Employed for Characterizing Surfactant SystemsTechniques Involving Microscopy:
Scanning Tunneling Microscopy at Solid—Liquid Interfaces
Atomic Force Microscopy
Brewster Angle Microscopy and Ellipsometry
Cryogenic Temperature Transmission Electron Microscopy in the Study of Surfactant SystemsOptical Techniques:
Optical Techniques for the Characterization of Monolayers and Thin Liquid Films
Fluoresecence and ESR Spectroscopy
Studies of Interactions Between Interfaces Across Surfactant Solutions Employing Various Surface Force Techniques
Non-Linear Optical TechniquesNon-Optical Techniques:
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Quartz Crystal Microbalance
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Ultrasonic Characterization of Surfactant-Containing Systems
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Subjects

605 .	Solubility and Surfactants
607 .	QA/QC, Statistics, and Testing
621 .	Colloids and Emulsions

Reviews - Synopsis - Dust Jacket

This reference describes recent techniques used to characterize surfactant systems such as surfactant-stabilized colloids, micelles, microemulsions, and foams. It provides helpful examples of how such techniques may be used in complementary ways, detailing the adsorption and aggregation of surfactants, while discussing microscopy methods, optical procedures, and non-optical techniques for studying surfaces, interfaces, and adsorpbed surfactant layers.From the Preface: “Over the last ten years or so, many new developments in established techniques have become available for the study of surfactants in bulk and at interfaces. Some of these require large-scale facilities while others can be constructed in house or bought commercially...Although there may be textbooks that concentrate on a specific technique and its use in many diverse areas of science, I felt there was a need for a single book encompassing all such methods with particular emphasis on their applicability to surfactant-containing systems...”Target Audience: Surfactant scientists; physical, surface, colloid, analytical, oil, cosmetic, and pharmaceutical chemists and biochemists; materials scientists; physicists; spectroscopists; chemical engineers; and upper-level students in these disciplines.

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Modern Coating & Drying Technology

LASCT Holdings - maximum detail by Title **M**

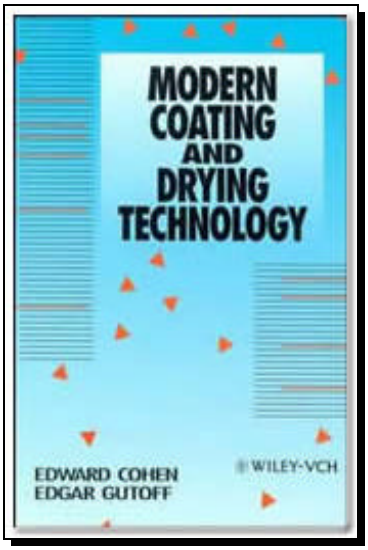
Title	Location	Edition / Series / Misc.

1069 **Modern Coating & Drying Technology**

Author: Edward D. Cohen and Edgar B. Gutoff, eds.
Publish.: Wiley - VCH
- place:
- date: 1992
Subject: Coating Processes - Converting Technology - Inks and Coatings -
Desc: 330 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 471188069
Shelf

Edition:
Series:
Year: 1992
Price: $138.50



Subjects

235 .	Coating processes
603 .	Inks and Coatings
620 .	Converting Technology

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Roll Coating
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Air Knife Coating
Drive Systems for Off-Machine Coaters
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Reviews - Synopsis - Dust Jacket

This essential introduction to coating technology delineates the major processes used in coating continuous webs, from fluid preparation and delivery through coating application and drying to the finished product. The chapters focus on the entire process, not just the application hardware. The book pays particular attention to the precision application technology needed to produce high performance coatings. It also discusses speed and thickness limitations of various coating methods, causes of various defects that occur, handling of the web or support, drying of the coated web, and ways in which the surface chemistry of both the coating fluid and the substrate affect the process.From the Preface: "...It is important to begin by defining what we mean by `coatings' and `coating industry.' The term coating is used in many ways and applied to the material used as well as the process. We define coating as the process of replacing air with a new material on the substrate. The focal areas are replacement, which is the coating engineering process, and the material doing the replacing. Together they comprise the `coating industry'..."Target Audience: Any engineer, chemist, physicist, or other technical specialist concerned with the coating and drying of continuous webs.

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Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters

LASCT Holdings - maximum detail by Title **M**

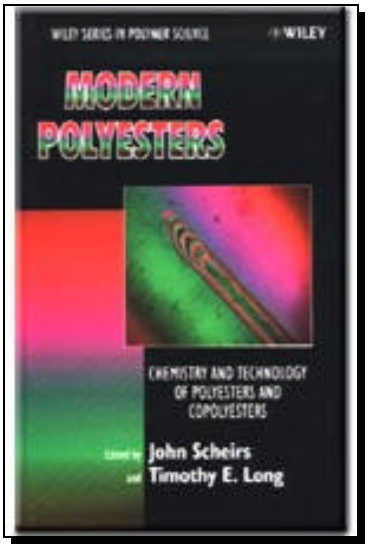
Title	Location	Edition / Series / Misc.

1540 **Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters**

Author: John Scheirs and Timothy E. Long, eds.
Publish.: John Wiley & Sons
- place:
- date: 2003
Subject: Polymer Science - Recommend this Site
Desc: 784 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471498564
Shelf

Edition:
Series:
Year: 2003
Price: $205.00



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Historical Overview:
The Historical Development of PolyestersPolymerization and Polycondensation:
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Kinetics, Mass Transfer and Reactor Design
Synthesis and Polymerization of Cyclic Polyester Oligomers
Continuous Solid-State Polycondensation of Polyesters
Solid-State Polycondensation of Polyester Resins: Fundamentals and
Industrial ProductionTypes of Polyesters:
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Properties and Applications of Poly(ethylene 2,6-naphthalene), its
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Preparation, Properties and Applications of Unsaturated Polyesters
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Reviews - Synopsis - Dust Jacket

This book delivers comprehensive, up-to-date coverage of polyester resins, with an emphasis on their structure—property relationships. Polyester types covered in detail include PET, PET copolymers, PCT, PCTG, PCTA, PBT, PEN, PTT, cyclic polyester oligomers, LCP, and UPs. The latest advances in polymerization and polycondensation methods are described, along with a broad range of current and emerging application areas.From the Preface: “Polyesters are one of the m important classes of
polymers in use today. In their simplest form, polyesters are produced by the polycondensation reaction of a glycol (or dialcohol) with a difunctional carboxylic acid (or diacid). Hundreds of polyesters exist due to the myriad of combinations of dialcohols and diacids, although only about a dozen are of commercial significance...The future direction of polyester R&D efforts is likely to involve further progress in polyester synthesis given the wide range of potential monomer combinations, new blending technology and the use of advanced functional

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additives such as nanoclay reinforcements, reactive impact modifiers, anti-hydrolyis agents and chain extenders..."Target Audience: Plastics engineers, polymer chemists, material scientists, and those working in plastics manufacturing and process industries that deal with polyester resins.

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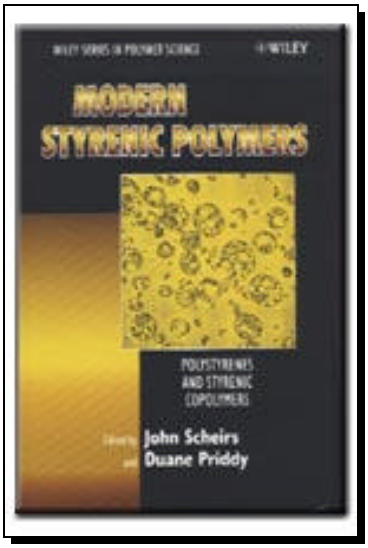
Title	Location	Edition / Series / Misc.

1528 **Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers**

Author: John Scheirs and Duane B. Priddy, eds.
Publish.: John Wiley & Sons
- place:
- date: 2003
Subject: Polymer Science - Recommend this Site
Desc: 792 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471497525
Shelf

Edition:
Series:
Year: 2003
Price: $285.00



Subjects

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715 .	Recommend this Site

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Living Free Radical Polymerization of Styrene
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Preparation of Styrene Block Copolymers Using Nitroxide Mediated
PolymerizationMajor Classes of Styrenic Polymers:
Particle Foam Based on Expandable Polystyrene (EPS)
Rigid Polystyrene Foams and Alternative Blowing Agents
Polystyrene Packaging Applications: Foam Sheet and Oriented Sheet
Preparation, Properties and Applications of High-Impact Polystyrene
Key Structural Features Impacting SAN Copolymer Performance
Rubber Particle Formation in Mass ABS
High Heat Resistant ABS Technology
Synthesis, Properties and Applications of
Acrylonitrile—Styrene—Acrylate PolymersSyndiotactic Polystyrene:
Synthesis of Syndiotactic Polystyrene
Characterization, Properties and Applications of Syndiotactic
Polystyrene
Rubber Modification of Syndiotactic Polystyrene
Polymeric Blends Based on Syndiotactic PolystyreneStyrenic Block Copolymers:
Styrenic Block Copolymer Elastomers
Preparation, Properties and Applications of High Styrene Content
Styrene—Butadiene CopolymersNovel Polystyrenes:
Hydrogenated Polystyrenes: Preparation and Properties
Branched Polystyrene
"Super Polystyrene" — Styrene—Diphenylethylene Copolymers
Ethylene—Styrene Copolymers <
P>Properties of Styrenic Polymers:
Fracture Behaviour of High-Impact Polystyrene and
Acrylonitrile—Butadiene—Styrene
Dynamic Mechanical Behaviour of Atactic Polystyrene, High-Impact
Polystyrene and Other Styrenic Copolymers
Flame-Retardant Polystyrene: Theory and Practice
Photochemical Degradation of Styrenic Copolymers
Analysis and Levels of Styrenic Dimers and Trimers in Polystyrene Food
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Reviews - Synopsis - Dust Jacket

This book serves as the first comprehensive reference to systematically cover the preparation, properties, and applications of styrenic polymers and copolymers. Important end-use considerations such as fracture properties, flammability, dynamic mechanical behavior, and photodegradation are covered in detail. The book also describes the latest advances in the field, from polymerization technologies to the beneficial attributes of novel polymer architectures, blends, and copolymers. The

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contributors span the globe; the majority are from Dow Chemical Co. or BASF, the leading commercial developers of styrenes and styrenic copolymers.From the Preface: "...The key attribute of polystyrene that has led to its huge commercial success is its low cost...The costs associated with the introduction of new and improved polystyrene products must be low enough that profit can be realized without raising the sales price. This limitation, and the ongoing effort of the chemical industry to scrutinize/justify R&D budgets, places an intense challenge on industrial polystyrene researchers...Academic researchers are not under such focused cost contraints and therefore they will likely continue working on the development of new chemistries for making new styrenic polymers having novel controlled architectures...This book provides the reader with comprehensive information about polystyrene, and a historical overview of its development, as well as reviews describing the latest new technological developments."Target Audience: Basic and applied researchers, technologists, polymer scientists, physical chemists, and upper-level students concerned with the production, properties, and applications of styrenes and styrenic copolymers.

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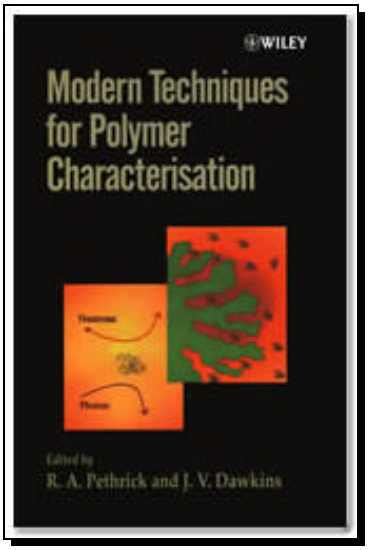
Title	Location	Edition / Series / Misc.

1240 **Modern Techniques for Polymer Characterisation**

Author: R.A. Pethrick and J.V. Dawkins, eds.
Publish.: John Wiley & Sons
- place:
- date: 1999
Subject: Polymer Characterization - Biopolymers and Medical Applications -
Desc: 410 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471960977
Shelf

Edition:
Series:
Year: 1999
Price: $306.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization
622 .	Biopolymers and Medical Applications

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Small-Angle Neutron Scattering
Recent Advances in Mass Spectrometry of Polymers
Vapour Pressure Osmometry/Membrane Osmometry/Viscometry
Gel Electrophoresis of Biological Macromolecules
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Reviews - Synopsis - Dust Jacket

This volume provides a unique interdisciplinary insight into the principal characterization techniques available for determining the size of macromolecules in solution, their sequence structures, and molecular weight characterisitics. Presenting the most recent advances in the field, it discusses conventional chromatographic techniques, spectroscopic techniques which describe sequence structure, and scattering techniques for determining macromolecular size. The coverage of molar mass characterization is equally suitable to synthetic or biological polymers.From the Preface: “Recognition of macromolecules as a distinct state of matter owes much to the availability of various techniques for molar mass characterisation. In recent years, significant progress has been made into refining and developing these techniques so as to provide the experimentalist with both a more precise and more detailed picture of the products of their synthetic efforts. Traditionally, the effect of molar mass has been identified through changes in properties such as melting point, boiling point, vapour pressure and related phenomena...”Target Audience: Polymer chemists, engineers and technologists;
biologists and scientists in numerous allied disciplines; and upper level students.

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Molecular Adhesion and Its Applications: The Sticky Universe

LASCT Holdings - maximum detail by Title **M**

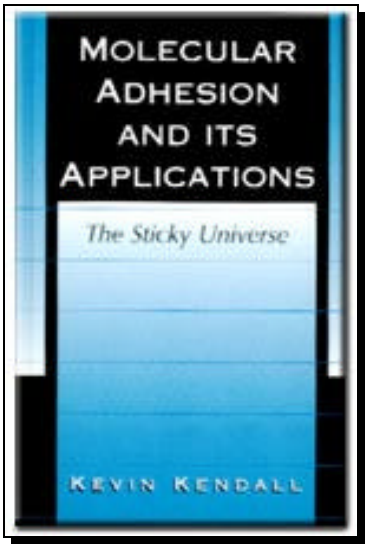
Title	Location	Edition / Series / Misc.

1360 **Molecular Adhesion and Its Applications: The Sticky Universe**

Author: Kevin Kendall
Publish.: Plenum Press
- place:
- date: 2001
Subject: Adhesives and Adhesion - Recommend this Site
Desc: 448 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 306465205
Shelf

Edition:
Series:
Year: 2001
Price: $98.50



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Background and Fundamentals:
Introduction to Molecular Adhesion and Fracture: the Adhesion Paradox
Phenomenology of Adhesion Effects: Fracture Stranger than Friction
Theories and Laws of Molecular Adhesion: All Molecules Adhere
Laws and Mechanisms:Evidence for the First Law of Adhesion: Surfaces Leap into Contact
Intermolecular Forces: the New Geometry of Computer Modeling
Evidence for the Second Law of Adhesion: Contamination Reduces AdhesionInfluence of the Adhesion and Fracture
Mechanism: the Third Law
More Intricate Mechanisms: Raising and Lowering AdhesionApplications and Benefits:
Adhesion of Particles: Deformation, Friction, and Sintering
Adhesion of Colloids: Dispersion, Aggregation, and Flocculation
Pastes and Gels: Effects of Adhesion on Structure and Behavior
Adhesion of Biological Cells: the Nature of Slime
Nano-adhesion: Joining Materials for Electronic Applications
Films and Layers: Adhesion of Coatings
Fracture and Toughness of Engineering Adhesive Joints
Composite Materials: Held Together by Adhesion at Interfaces
The Future of Molecular Adhesion and the Sticky Universe
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606 .	Adhesives and Adhesion
715 .	Recommend this Site

Reviews - Synopsis - Dust Jacket

This book sets out to describe the importance of adhesion in our universe. To understand the strong interactions that matter manifests, we must consider the idea of molecular adhesion — the fact that all moleules attract each other with a considerable force. This idea at first seems paradoxical because we can identify situations where adhesion is very strong, for example when paint sticks to a surface, but we can also see cases where adhesion is very weak, such as when sand flows through an hour glass. The objective of
to provide explanations for these apparently perverse effects.From the Preface: "...Roughly 6000 articles are writte each year on
adhesion but these are in widely varying disciplines which may not be immediately accessible. This book cannot quote all these papers, nor can it present a comprehensive critique of the documents, but it can provide a skeleton of logic and a common agreed language for describing adhesion phenomena in those different areas, together with an assessment of the pivotal contributions in the literature. Individual researchers should find, in the framework provided here, a place to fit their own observations..."Target Audience: Chemists, engineers, biologists, materials and surface scientists, and any other readers who are fascinated by adhesive effects.

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Molecular Organisation on Interfaces (Progress in Colloid and Polymer Science, Vol. 121)

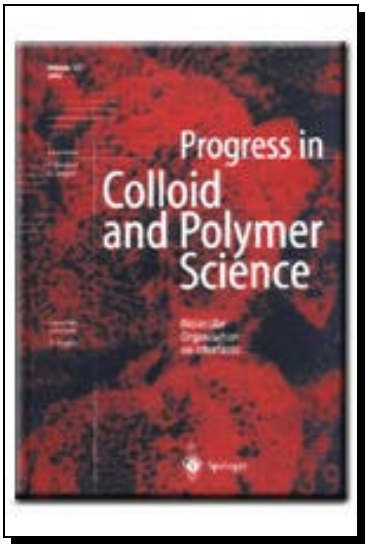
Title	Location	Edition / Series / Misc.

1492 **Molecular Organisation on Interfaces (Progress in Colloid and Polymer Science, Vol. 121)**

Author: G. Lagaly, ed.
Publish.: Springer
- place:
- date: 2002
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Desc: 120 p, 8.3 x 11 Hardcover

Dynix:
Call No.:
ISBN: 3540436375
Shelf

Edition:
Series:
Year: 2002
Price: $61.50



Subjects

600 .	Interfacial Engineering and Surface Science
715 .	Recommend this Site

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Thermodynamics of Two-Dimensional Cluster Formation at the Water/Air Interface: A Quantum Chemical Approach
The Role of Buoyancy in the Development of Surface Tension Auto-Oscillations
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A Novel Way for the Alignment of Lyotropic Hexagonal and L Phases in Magnetic Fields
Shear Flow of Lamellar Polymer Surfactants
Solvatochromism in Organized Assemblies: Effects of the Sphere-to-Rod Micellar Transition

Reviews - Synopsis - Dust Jacket

This volume contains studies of molecular organization on interfaces and nanoparticles. It consists of papers originally presented during the general meeting (Hauptversammlung) of the Kolloid-Gesellschaft in Potsdam in September 2001. A diversity of papers were collected, centering on the subject of colloids and the life sciences. Specific topics include synthesis of polymer colloids, biominerals and nanoparticles, lyotropic mesophases, polymeric surfactants, micellar transitions, supramolecular compounds for polymer modification, solid particles for emulsion stabilizers, adsorbents for odor control, and more.From the Preface: "...Most of the lectures presented in this issue related to structured interfaces because the molecular organisation at interfaces is fundamental in life science. Even if the term `nanoparticles' is often used as vogue expression, life science is strongly related to nanoparticles. Components of the cells are nanoparticular structures; protein aggregates and viruses are other types of nanparticles. The study of nanoparticles is anchored in Colloid Science. Colloid Science as we consider it today was nucleated by Wolfgang Ostwald and initiated by his biological studies. The strong connection between biology and Colloid Science lost attractiveness in the last decades. The revival of this interdisciplinary science is now noted and we hope that a signal will start from the Potsdam conference."Target Audience: Colloid scientists, biomaterials researcl

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investigators of surface and interfacial phenomena, and upper-level students of these disciplines.

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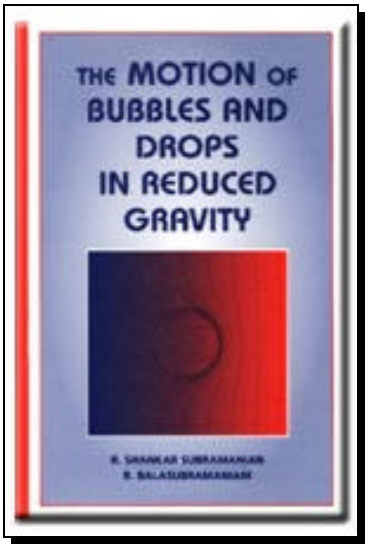
Title	Location	Edition / Series / Misc.

1473 **Motion of Bubbles and Drops in Reduced Gravity**

Author: R. Shankar Subramanian and R. Balasubramaniam
Publish.: Cambridge University Press
- place:
- date: 2001
Subject: Materials Science - Recommend this Site
Desc: 488 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 521496055
Shelf

Edition:
Series:
Year: 2001
Price: $85.00



Subjects

609 .	Materials Science
715 .	Recommend this Site

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Introduction:
The Role of Gravity and Interfacial Tension in the Motion of Bubbles and Drops
The Governing EquationsThe Motion of Isolated Bubbles and Drops:
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Interactions when Motion is Driven by a Body Force
Interactions when Motion is Driven by ThermocapillarityRelated Topics:
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Reviews - Synopsis - Dust Jacket

This monograph is the first book to present a clear, thorough review of the motion of drops and bubbles in reduced gravity, particularly motion caused by variations in interfacial tension arising from temperature gradients on their surfaces. The emphasis is on theoretical analysis from first principles: experimental results — drawn from a variety of orbiting spacecraft research programs — are discussed and compared with predictions where appropriate. Needless to say, the ramifications of this research are of paramount importance in understanding bubble and droplet activity under any gravitaional force.From the Preface: "...We have attempted to provide a reasonably comprehensive pricture of the progress and the current status of research on this subject. It is our opinion that, in the long run, this driving force for the motion of bubbles and drops will prove to be as ubiquitous in a reduced gravity environment as gravity is on the surface of the earth..."Target Audience: Students and researchers interested in fluid mechanics in reduced gravity environments.

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Mould Sticking, Fouling and Cleaning (Rapra Review Report 150)

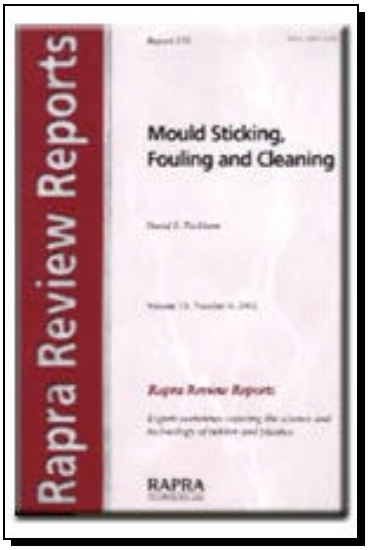
Title	Location	Edition / Series / Misc.

1458 **Mould Sticking, Fouling and Cleaning (Rapra Review Report 150)**

Author: David E. Packham
Publish.: Rapra
- place:
- date: 2002
Subject: Plastics Processing Technology - Surface Characterization and
Desc: 116 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859573576
Shelf

Edition:
Series:
Year: 2002
Price: $123.50



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628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This review discusses mold sticking and fouling — two of the most prevalent problems faced by molded plastics manufacturers worldwide. These problems can cause serious scheduling interruptions and resulting loss of revenue. This review first discusses mold release and then addresses mold fouling. Significant material and process variables are considered first, followed by practical guidance on the selection of release agents and surface treatments. Advice on mold cleaning is also offered. 402 references, with abstracts, are included.From the Introduction: "...An intrinsic problem with polymer moulding, which limits production rates, is the difficulty of removing the moulding from the mould. With some materials the problem of mould release is never far away, with most materials it is sporadic. The drive for shorter moulding cycles aggravates the problem, which is sometimes so bad as to seriously hinder the introduction of automated removal of the moulded product..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Polymer Library database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials

LASCT Holdings - maximum detail by Title **M**

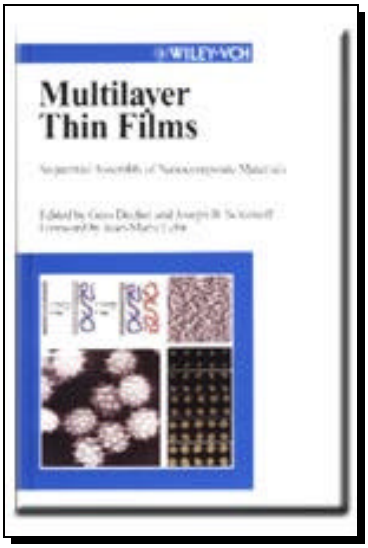
Title	Location	Edition / Series / Misc.

1482 **Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials**

Author: Gero Decher and Joseph B. Schlenoff, eds.
Publish.: Wiley - VCH
- place:
- date: 2003
Subject: Materials Science - Recommend this Site
Desc: 544 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527304401
Shelf

Edition:
Series:
Year: 2003
Price: $193.50



Subjects

609 .	Materials Science
715 .	Recommend this Site

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Polyelectrolyte Multilayers, an Overview
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Recent Progress in the Surface Sol—Gel Process and Protein Multilayers
Internally Structured Polyelectrolyte Multilayers
Layer-by-Layer Assembly of Nanoparticles and Nanocolloids: Intermolecular Interactions, Structure and Materials Perspectives
Layer-by-Layer Self-Assembled Polyelectrolyte and Nanoplatelets
Chemistry Directed Deposition via Electrostatic and Secondary Interactions: A Nonlithographic Approach to Patterned Polyelectrolyte Multilayer Systems
Layered Nanoarchitecture Based on Electro- and Photo-Active Building Blocks
Coated Colloids: Preparation, Characterization, Assembly and Utilization
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Controlling the Ion-Permeability of Layered Polyelectrolyte Films and Membranes
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Reviews - Synopsis - Dust Jacket

The need to modify and functionalize surfaces — without otherwise altering the geometry and bulk properties of the substrate material — is a common problem in materials engineering. An important solution strategy is coating with multicomposite thin films. This book provides a detailed survey of the new technology of adsorption from solution for the fabrication of molecularly ordered multicomposite films in order to replace and expand on the well-known Langmuir—Blodgett technology and to open the field of molecular self-assembly to materials and biosciences. Multilayer Thin Films
of this burgeoning technology.From the Foreword: “Over the last ten years, scientists from varying backgrounds have rallied around a versatile new method for the synthesis of thin films. Because the layer-by-layer assembly method provides opportunities for creative design and application of function-specific films, the field has experienced an initial period of exponential growth. This book, the first on the topic, contains many insightful contributions from leaders in the field that will enable novices and experts to understand the promises and premises of multilayers...Readers with interests in self-assembled systems, supramolecular chemistry, nano-composites or polymers will find themselves fascinated by the diversity of topics herein...”Target Audience: Scientists from a wide range of disciplines who seek to integrate several different functional entities in a single device.

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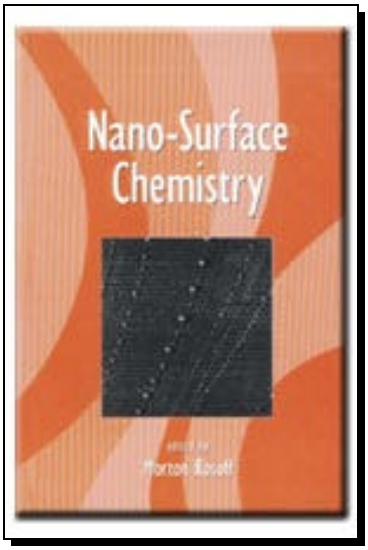
Title	Location	Edition / Series / Misc.

1449 **Nano-Surface Chemistry**

Author: Morton Rosoff, ed.
Publish.: Marcel Dekker
- place:
- date: 2002
Subject: Surface Characterization and Analysis - Biopolymers and Medical
Desc: 692 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824702549
Shelf

Edition:
Series:
Year: 2002
Price: $168.50



Subjects

608 .	Surface Characterization and Analysis
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

This book covers recurrent themes in nanocolloid science, including self-assembly, construction of supramolecular architecture, nanconfinement and compartmentalization, measurement and control of interfacial forces, novel synthetic materials, and computer simulation. It reviews surface forces apparatus measurement of two-dimensional organized ensembles at solid—liquid interfaces, gives examples of nanofabrication of cored colloidal particles and hollow capsules; discusses Langmuir—Blodgett films; and much more.From the Preface: "...The reviews collected in this book...reveal the interaction of a spectrum of disciplines in which physics, chemistry, biology, and materials science intersect. Not only is the vast range of industrial and technological applications depicted, but it is also shown how this new way of thinking has generated exciting developments in fundamental science. Some of the chapters also skirt the frontiers, where there are still unanswered questions..."Target Audience: Physical, surface, colloid, inorganic, organic, polymer, medicinal, and analytical chemists; chemical engineers; physicists and biophysicists; materials scientists; biotechnologists; biologists; and upper-level students in these disciplines.

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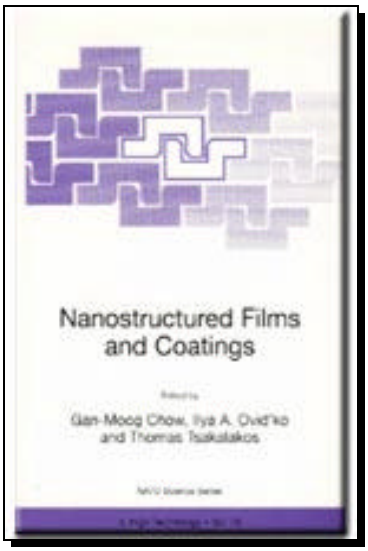
Title	Location	Edition / Series / Misc.

1476 **Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)**

Author:
Publish.: Kluwer Academic
- place:
- date: 2000
Subject: Surface Characterization and Analysis - Coating Processes - Materi
Desc: 392 p, 6.2 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 792362667
Shelf

Edition:
Series:
Year: 2000
Price: $63.50



Subjects

235 .	Coating processes
608 .	Surface Characterization and Analysis
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

The 33 papers contained in this volume were originally presented at the NATO Advanced Workshop on Nanostructured Films and Coatings, held June 28-30, 1999 in Santorini, Greece. Nanostructured films and coatings possess unique properties due to both size and interface effects. They find many applications in areas such as electronics, catalysis, protection, data storage, optics, and sensors. The focus of this book is on synthesis and processing; advanced characterization techniques; properties (including mechanical, chemical, electronic, thermal, catalytic, and magnetic); modeling of interlayer and interlayer interfaces; and applications.From the Preface: "...Nanostructured films can be synthesized by vapor phase and solution chemistry methods. Solution approach allows the complex and hidden surfaces to be coated since it does not have the limitation of line-of-sight deposition as in the vapor methods. Vapor deposition such as sputtering, chemical vapor condensation and solution chemistry such as sol-gel, electrodeposition and electroless deposition were reviewed. Template-mediated approach was also discussed. Thick coatings were prepared using thermal spraying of nanostructured powders. Increasing attention is given on the use of liquid precursors for thermal spraying..."Target Audience: All researchers and technologists concerned with nanostructured films and coatings.Partial Table of Contents:Gas Phase Synthesis of Nanostructured Films and Coa
Electrodeposited Nanostructured Films and Coatings: Synthesis, Structure, Properties and Applications
Nanostructured Carbon Coatings
Semiconductor Quantum Dot Heterostructures (Growth and Applications)
Nanostructured Coatings of Inner Surfaces in Microporous Matrixes
Nanoscaled Magnetic Electrodeposited Structures on the Basis of Ion Group Metals: Preparation, Structure, Magnetic and Magnetoresistive Properties
Thermal Sprayed Nanostructured Hard Coatings
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Photoluminescence from Pressure-Annealed Nanostructured Silicon Dioxide and Nitride Films
Surface Characterization of Nanostructured Coatings: Study of Nanocrystalline SnO
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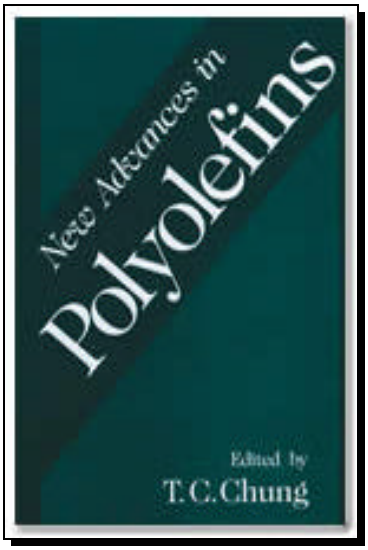
Title	Location	Edition / Series / Misc.
1059 **New Advances in Polyolefins**		*Edition:*
Author: T.C. Chung, ed.	*Dynix:*	*Series:*
Publish.: Plenum Press	*Call No.:*	
- place:	*ISBN:* 306445883	
- date: 1993	*Shelf*	*Year:* 1993
Subject: Polymer Science - Composites, Laminates, and Fibers - Materials		*Price:* $108.50
Desc: 256 p, 6.5 x 9.8 Hardcover		



Subjects

609 .	Materials Science
610 .	Polymer Science
625 .	Composites, Laminates, and Fibers

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Functionalized Polyolefins Prepared by Borane Approach
Synthesis of Polyolefin—PMMA Graft Copolymers
Supported Lewis Acid Catalysts Based on Polyolefin Thermoplastics
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Homogeneous Reaction of Maleic Anhydride with Low Density Polyethylene
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NMR Analysis of Multicomponent PolyolefinsPolyolefin Blends and Composites:
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Anhydride Copolymer
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Separation in Polypropylene Solutions
Structure and Thermodynamic Aspects of Phase Segregation of Commercial
Impact Polypropylene Copolymer
Interphase Design in Cellulose Fiber/Polypropylene Composites
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Reviews - Synopsis - Dust Jacket

The papers presented in this volume were first presented at “Recent Advances in Polyolefins,” held at the national ACS meeting in Washington, DC, August 23-28, 1992. This symposium covered both scientific and technological aspects of polyolefins.From the Preface: “Polyolefin is one of the most important materials produced in the chemical industry. The research in this area is not only scientifically challenging but also potentially economically rewarding. Many research activities, such as developing new catalysts, understanding polymerization mechanisms, modifying the products and improving the physical properties of the materials, have been proceeding at a very fast pace, especially in the industrial laboratories in many countries...”Target Audience: Polymer scientists and technol concerned with polyolefins.

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New Materials Permeable to Water Vapor

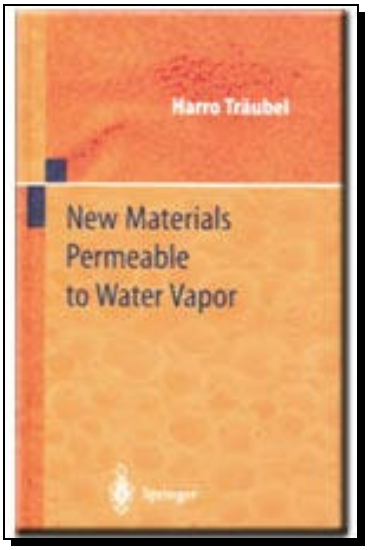
Title	Location	Edition / Series / Misc.

1217 **New Materials Permeable to Water Vapor**

Author: Harro Traubel
Publish.: Springer
- place:
- date: 1999
Subject: Textiles and Nonwovens - Composites, Laminates, and Fibers - Inl
Desc: 367 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 3540649468
Shelf

Edition:
Series:
Year: 1999
Price: $108.50



Subjects

603 .	Inks and Coatings
625 .	Composites, Laminates, and Fibers
631 .	Textiles and Nonwovens

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Summary of Patent Applications and Practical Examples
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Reviews - Synopsis - Dust Jacket

Wool, leather, cotton, and many other natural products manifest a fibrous structure consisting of hydrophilic constituents such as cellulose or collagene, making them permeable to air and water vapor. This book discusses ways to obtain water vapor permeability in synthetic fiber materials by microporosity or a hydrophilic structure. Most commercial products permeable to water vapor and substitutes for natural leather are named. Materials permeable to water vapor offer a wide range of use, including applications in the medical field for implants and dialysis, in industry for filtration or catalytic reactions, or for processes demanding a slow and predictable fluid release.From the Preface: "...The terms `water vapor permeable material', `artificial leather', `synthetic leather', `leather substitute' or `man-made leather' are defined, and the special characteristics of leather are compared with its substitutes. Then the special methods used to produce microporous and hydrophilic materials, suitable substrates, end uses in fields other than wearing purposes, testing methods, as well as patent strategies and ecological behavior are discussed. Each chapter starts with general remarks about the specific characteristics of its motto; then published examples belonging to the subjects of the chapter are described..."Target Audience: Professionals working in or studying the coatings, leather substitutes, sports articles, and filtration materials industries.

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New Product Development: From Initial Idea to Product Management

Title	Location	Edition / Series / Misc.

1529 **New Product Development: From Initial Idea to Product Management**

Author: Marc A. Annacchino
Publish.: Elsevier
- place:
- date: 2003
Subject: General Reference - Recommend this Site
Desc: 600 p, 7 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 750677325
Shelf

Edition:
Series:
Year: 2003
Price: $71.50

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715 .	Recommend this Site

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The Launch
The Pursuit
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Appendix A: Selected Product Development Efforts
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Reviews - Synopsis - Dust Jacket

This comprehensive and detailed book is a practical guide to the entire process of new product development from initial concept and corporate goals assessment through marketing, planning, development, manufacturing and product management. The accompanying CD-ROM demonstrates the use of 52 specific software tools used to implement new product development programs, allowing the user to apply the information presented in the book to their own programs. A complete roadmap for new product development — recommended.From the Preface: “The purpose of this book is to create understanding of the new product development process in order to maximize the corporate investment. Another purpose of the book is to promote and encourage new product development as a vocation, as well as a means for rounding out the executive. This book can help the reader get an appreciation for the planning, execution, timing, and problem-solving skills required to prosecute a program. Another purpose is to create an understanding at the executive level about the process, expectations, pitfalls, and recovery moves to maximize results..."Target Audience: Industrial managers, product and R&D engineers, designers, upper-level students in these disciplines, and senior executives who oversee new product development.

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Title	Location	Edition / Series / Misc.

1127 **New Products and Applications in Surfactant Technology**

Author: David R. Karsa, ed.
Publish.: Sheffield Academic
- place:
- date: 1998
Subject: Solubility and Surfactants - Health, Safety, and the Environment
Desc: 245 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 849397383
Shelf

Edition:
Series:
Year: 1998
Price: $98.50

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605 .	Solubility and Surfactants
623 .	Health, Safety, and the Environment

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Alkylphenol Ethoxylates: Biodegradability, Aquatic Toxicity and Environmental Fate
Surfactants in Environmental Remediation: Aquifer Restoration
Current Developments in Cationic Surfactants
Biodetergents
Applications of Surfactants in Personal-Care Products
Methyl Ester Sulfonates
Fluorocarbon—Hydrocarbon Hybrid Surfactants
Polymeric Surfactants
The Formulation and Industrial Applications of Multiple Emulsions: An Area of Fast Development
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Reviews - Synopsis - Dust Jacket

Surfactant technology represents a vibrant and challenging area of physico-chemical science — exact mechanisms of well-established processes are not often fully understood, thus creating continued debate. Products and Applications in Surfactant Technology production, physico-chemical properties, and applications of surfactant products; the use of surfactant systems for the environmental remediation of contaminated land; the physical behavior of surfactants in solutions; multiple emulsions; and more.From the Preface: “Surfactants represent one of the most diverse classes of performance chemical available, being derived from a broad spectrum of organic chemicals of varying ionic type, with each product exhibiting one of more surface-active properties. Although the area of surface chemistry is a long-established technology with many well-defined products, the capacity for new products and new applications should not be under-estimated. Most of the innovative developments tend to be in industrial applications...”Target Audience: Surfactant, analytical, and environmental chemists; manufacturers and users of surfactants; health and safety personnel; and other professionals working with surfactants in specialty chemicals, polymers, and detergents.

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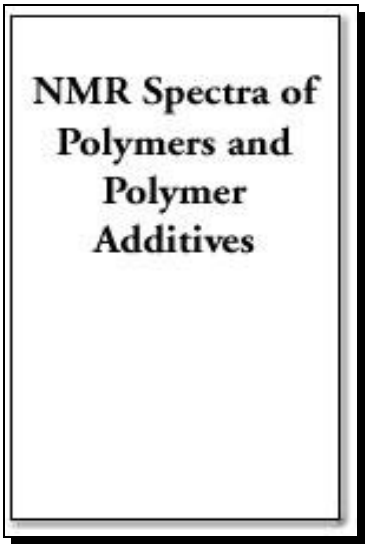
Title	Location	Edition / Series / Misc.

1302 **NMR Spectra of Polymers and Polymer Additives**

Author: Anita J. Brandolini and Deborah D. Hills
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Polymer Characterization - Additives - Polymer Science
Desc: 640 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 824789709
Shelf

Edition:
Series:
Year: 2000
Price: $165.00



Subjects

610 .	Polymer Science
611 .	Additives
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

This practical reference, organized by chemical structure, compiles nearly 400 fully assigned NMR spectra of some 300 polymers and polymer additives, representing polyolefins, styrenics, acrylates, vinyls, elastomers, polyethers, polyesters, polyamides, silicones, cellulosics, polyurethanes, plasticizers, and antioxidants.NMR Spectra of Polymers and Polymer Additives unparalleled quantitative and qualitative information about polymer solutions. It highlights commercially significant polymers with data that are predominantly
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appropriate; each entry provides common and trade names, material applications, and syntheses.From the Preface: "...One of our goals in collecting these spectra has been to provide not just a compilation of chemical-shift data for nearly 300 polymers and polymer additives but also pragmatic advice relevant to acquiring and interpreting NMR spectra of these materials. We hope that the result will be useful...In selecting the materials to be included in this compilation, we have striven first and foremost for utility..."Target Audience: NMR and applied spectroscopists plastics engineers, analytical chemists, and polymer scientists.Contents:Introduction
Aliphatic Backbones: Aliphatic Pendant Groups
Aliphatic Backbones: Aromatic Pendant Groups
Aliphatic Backbones: Carboxylic Acid, Ester, and Amide Pendant Groups
Aliphatic Backbones: Miscellaneous Pendant Groups
Unsaturated Backbones
Ether Backbones
Ester and Amide Backbones
Miscellaneous Backbones
Polymer Additives
Appendix 1: Major End-Use Applications for Some Commerically Significant Polymers
Appendix 2: Graphic Summary of Common Polymers
Appendix 3: Some Suppliers of Polymers and Polymer Additives
Appendix 4: List of Abbreviations
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NMR Spectroscopy of Polymers in Solution and in the Solid State (ACS Symposium Series 834)

LASCT Holdings - maximum detail by Title **N**

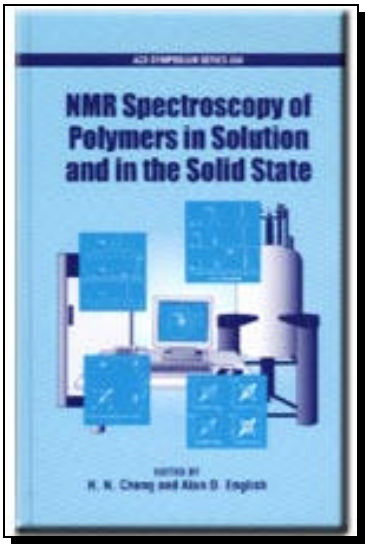
Title	Location	Edition / Series / Misc.

1443 **NMR Spectroscopy of Polymers in Solution and in the Solid State (ACS Symposium Series 83**

Author: H.N. Cheng and Alan D. English, eds.
Publish.: American Chemical Society
- place:
- date: 2003
Subject: Polymer Characterization - Recommend this Site
Desc: 460 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841238081
Shelf

Edition:
Series:
Year: 2003
Price: $118.50



Subjects

613 .	Polymer Characterization
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This volume provides reviews and original papers drawn from a symposium held during the 221st ACS National Meeting in San Diego, CA, on April 3-5, 2001.
State
equal representation from academia, industry, and government laboratories. This diversity of interest and expertise, along with the truly international nature of the symposium, assures a broad and balanced look at this field.From the Preface: “NMR spectroscopy is a vibrant and still rapidly growing field. Its utility as a research and as a problem-solving tool is well recognized. One of the most fruitful areas of its application is polymer science. The NMR spectroscopy field has attracted a large number of talented scientists and is constantly being refreshed by fundamental research and new improved methodologies. Because of the importance of polymers to industry, substantial investment has been made in NMR spectroscopy in industrial laboratories. Thus, excellent research is being done not only in academia and in government laboratories but also in industry...”Target Audience: Industrial or academic researchers, scientists, and technologists concerned with nuclear magnetic resonance spectroscopy of polymers.Partial Table of Contents:Overview — Advances in the NMR Spectroscopy of PolymersSolid-State NMR Polymers:
Solution and Solid-State NMR Characterization of Ethylene Oxide—Propylene Oxide Composites for Ultra-Low Dielectric Constant Applications
High-Temperature Solid-State NMR of Cross-Linked, Insoluble, and Unswellable Polymers
Structural Aspects of Low-Molecular-Weight Azocellulose Polymers: A Solid-StateSolution NMR of Synthetic Polymers — Multidimensional NMR Techniques:Polymer Characterization by Solution NMR
Multidimensional NMR Studies on Polyurethane-Based Dendritic Wedges
NMR of Polymers: Comparison of Some of the Standard Pulse SequencesSolution NMR of Synthetic Polymers — Polymer Solution Studies:Recent Advances in the NMR Description of Polypropylene Branching Polyester Oligomers and Fractals
An NMR Study on the Bulk Cationic Copolymerization of Trioxane with 1,3-Dioxepane
In-Situ NMR Spectroscopy to Understand the Mechanism of Enzymatic Polymerization of Engineering Polymeric Materials: Poly(phenols)Solution NMR of Biopolymers: Origins of Flexibility in Complex Polysaccharides
Gelling Mechanisms of Glucomannan Polysaccharides and their Interactions with Proteins
Synthesis, Physical, and NMR Characteristics of Di- and Tri-Substituted Cellulose Ethers
2D NMR Analysis of EthylcelluloseCombined NMR and Separation Techniques: On-Line HPLC-NMR of Polymers
Complex Mixture Analysis by On-Line LC(GPC)-NMR
Copolymer Characterization by SEC-NMR and SEC-MALDI
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NMR Spectroscopic Study of Ion-Conducting Polyphosphazenes

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Title	Location	Edition / Series / Misc.

1422 **Non-Conventional Polymer Dispersions: 5th Bratislava International Conference on Polymers**

Author: Ignac Capek, ed.
Publish.: Wiley - VCH
- place:
- date: 2002
Subject: Polymer Science - Recommend this Site
Desc: 374 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 352730469
Shelf

Edition:
Series:
Year: 2002
Price: $185.00

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Main Lectures:
Kinetics and Mechanisms of O/W Microemulsion Polymerization of Styrene
Polymerization in Nanostructured Media: Applications to the Synthesis of Associative Polymers
Polymer Dispersions as Intermediate State during the Synthesis of Specialty Polymers
ESR Study on Radical Polymerization and Its Application to Microemulsion Systems
Hairy Particles Prepared by Living Radical Graft-Polymerization
Synthesis and Some Properties of Functionalized Film-Forming Latexes
Recent Progress in Reactive Surfactants in Emulsion Polymerization
Photo-Initiated Post-Polymerization in Micellar Systems of Amphiphilic Poly(ethylene oxide) Macromonomers
Characteristic Polymerization Behaviour of Microgel-Like Poly(allyl methacrylate) Microspheres
The Preparation of Sterically Stabilized Polymer Dispersions
Synthesis of Novel Amphiphilic Copolymers by Acid-Mediated Free-Radical Copolymerization and Solution as Well as Particle-Stabilization Properties
Contributed Lectures and Poster Presentations:
Inverse Microemulsion Polymerization of Oil-Soluble Monomers in the Presence of Hydrophilic Polyacrylamide Nanoparticles
Effect of Salt and Surfactant on Aqueous Solution Properties of Pyrene-Labeled Poly(3-dimethyl(methylmethacrylol ethyl) ammonium propane sulfonate)
Mechanism of Formation of Monodisperse Polystyrene Hollow Particles by Membrane Emulsification Technique. Effect of Hexadecane Amount on the Formation of Hollow Particles
Dispersion Copolymerization of Styrene with Vinylbenzene-Terminated Polyoxyethylene Macromonomer
Study on Controlling Particle Growth in Seeded Emulsion Polymerization with Regulated Coagulation Based on the Electrostatic Interactions
Radical Polymerization in Homogenized Butyl Acrylate Emulsion
The Dispersion Polymerization of Unsaturated Monomers Initiated by the Macromonomeric Initiator
Polystyrene/Poly(butyl acrylate) Dispersions Having N-Methylol Groups. A Spectroscopic Study
Hybrid Polymer Inorganic Materials Prepared from Ternary MicroemulsionsInitiator-Free Photo-Emulsion Polymeriza of Deuterated Methyl
Methacrylate
Adhesion of Acrylate-Based Water Dispersion to Polypropylene Hybrid Fabrics
PTFE Nanoemulsions as Ultralow-k Dielectric Materials

Reviews - Synopsis - Dust Jacket

This volume includes the proceedings of the
Dispersions
The papers investigate the kinetics and mechanisms of free-radical polymerization of macromonomers in dispersed systems. Items of particular interest include synthetic approaches using micro-, mini- and multi-emulsions and nanostructured media. The preparation of polymer

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particles of various sizes, as well as the advanced design of particle structure, are also investigated.From the Preface: "...The main topics of the Symposium included: microemulsion, miniemulsion and multiple emulsion polymerizations; association and polymerization behavior of amphiphilic macromonomers, graft copolymers and macroinitiators in polar media; and novel and non-conventional polymer products and polymer dispersions, prepared by radical polymerization..."Target Audience: Scientists and technologists in either industry or academia who are concerned with non-conventional polymer dispersions.

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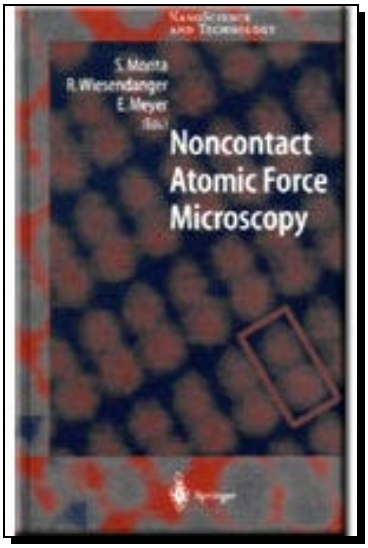
Title	Location	Edition / Series / Misc.
1494 **Noncontact Atomic Force Microscopy**		*Edition:*
Author: S. Morita, R. Wiesendanger, and E. Meyer, eds.	*Dynix:*	*Series:*
Publish.: Springer	*Call No.:*	
- place:	*ISBN:* 3540431179	
- date: 2002	*Shelf*	*Year:* 2002
Subject: Surface Characterization and Analysis - Recommend this Site		*Price:* $93.50
Desc: 460 p, 6 x 9.2 Hardcover		



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Atomic Structure, Order and Disorder on High Temperature Reconstructed Alpha-Al
NC-AFM Imaging of Surface Reconstructions and Metal Growth on Oxides
Atoms and Molecules on TiO
Surfaces
NC-AFM Imaging of Adsorbed Molecules
Organic Molecular Films
Single-Molecule Analysis
Low-Temperature Measurements: Principles, Instrumentation, and Application
Theory of Non-Contact Atomic Force Microscopy
Chemical Interaction in NC-AFM on Semiconductor Surfaces
Contrast Mechanisms on Insulating Surfaces
Analysis of Microscopy and Spectroscopy Experiments
Theory of Energy Dissipation into Surface Vibrations
Measurement of Dissipation Induced by Tip—Sample Interactions
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Reviews - Synopsis - Dust Jacket

Since 1995, the noncontact atomic force microscope (NC-AFM) has achieved remarkable progress. Based on nano-mechanical methods, the NC-AFM detects the weak attractive force between the tip of a cantilever and a sample surface. This method has the following characteristics: it has true atomic resolution; it can measure atomic force interactions, i.e., it can be used in so-called atomic force spectroscopy (AFS); it can also be used to study insulators; and it can measure mechanical responses such as elastic deformation. This is the first book to deal with all of the emerging NC-AFM issues.From the Preface: "...The AFM is a unique microscope based on mechanical methods. It can be characterised by the following features: true atomic resolution, three-dimensional (3D) measurements of atomic firces [so-called atomic force spectroscopy (AFS)], observation of insulators, control of atomic forces, measurement of mechanical response, mechanical manipulation of individual atoms, mechanical assembly atom by atom. These characteristics can only be fulfilled by NC-AFM..."Target Audience: Every researcher, scientist, and technologist interested in noncontact atomic force microscopy.

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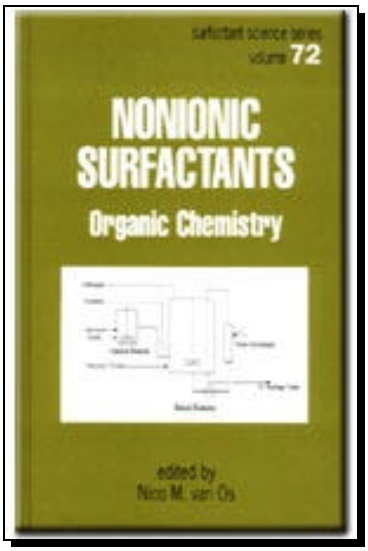
Title	Location	Edition / Series / Misc.

1090 **Nonionic Surfactants: Organic Chemistry**

Author: Nico M. van Os, ed.
Publish.: Marcel Dekker
- place:
- date: 1998
Subject: Solubility and Surfactants - Colloids and Emulsions - Polymer Surfa
Desc: 305 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824799976
Shelf

Edition:
Series:
Year: 1998
Price: $138.50



Subjects

601 .	Polymer Surface Chemistry
605 .	Solubility and Surfactants
621 .	Colloids and Emulsions

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Polyoxyethylene Alcohols
Polyoxyethylene Esters of Fatty Acids
Polyoxyethylene Mercaptans
Polyoxyethylene Alkylamines
Nonionic Surfactants Containing an Amide Group
Polyol Ester Surfactants
Nonionics as Intermediates for Ionic Surfactants
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Reviews - Synopsis - Dust Jacket

This volume discusses both the laboratory and industrial synthesis of nonionic surfactants, offering exhaustive coverage of recent developments in nonionic surfactant organic chemistry. It covers polyoxyethylene alkylphenols, alcohols, esters of fatty acids, mercaptans, and alkylamines; nonionic surfactants containing an amide group; polyol ester surfactants; and the use of nonionics as intermediates for ionic surfactants.From the Preface: “The main use for nonionic surfactants has been, and in the foreseeable future will be, in the area of the detergent and personal care formulations in combination with anionic surfactants. Nonionic surfactants have also begun to find applications in new areas such as environmental protection systems, paper processing, and thin films...”Target Audience: Physical, surface, and colloid chemists; organic, medicinal, polymer, and cosmetic chemists; surfactant scientists; environmental engineers; medical formulators; and upper-level students in these disciplines.

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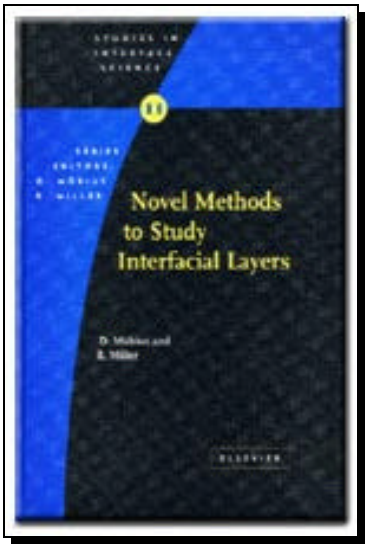
Novel Methods to Study Interfacial Layers

LASCT Holdings - maximum detail by Title N

Title	Location	Edition / Series / Misc.
1468 **Novel Methods to Study Interfacial Layers**		*Edition:*
Author: D. Mobius and R. Miller, eds.	*Dynix:*	*Series:*
Publish.: Elsevier	*Call No.:*	
- place:	*ISBN:* 444509488	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Interfacial Engineering and Surface Science - Recommend this Site		*Price:* $176.50
Desc: 536 p, 6.5 x 9.5 Hardcover		



Subjects

600 .	Interfacial Engineering and Surface Science
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This volume contains 26 papers originally presented at the LB9 conference, held in Potsdam, Germany in August 2000. It is dedicated to new techniques and methodologies for studying interfacial layers. One group of manuscripts deals with the application of surface plasmons at solid interfaces, used for example in resonance spectroscopy and light scattering. New applications of various types of Atomic Force Microscopy are reported, making use of various tip modifications. There are a number of papers on light emitting diodes, fluorescence, and electroluminescence; electromechanical methods for developing miniaturized pH or gas sensors are also described, along with the application of synchrotron X-ray and NMR techniques for elucidating molecular information for various types of interfacial layers.From the Foreword: "...The topics comprised of course much more than only Langmuir Blodgett layers, which only gave the traditional name of this series of conferences. Actually the scientific fields spanned over many aspects of monolayer and adsorption layers at various liquid and solid interfaces..."Target Audience: Researchers and upper-level students of colloids, physical chemistry, thin films, LEDs, microsensors, and related fields.Partial Table of Contents:Ellipsometry in Inter Science
Detection of Evanascent Fields on Arachidic Acid LB Films on Al Films Caused by Resonantly Excited Surface Plasmons
Scattered Light and Emission from Ag Thin Film and Merocyanine Langmuir—Blodgett Film on Ag Thin Film Due to Surface Plasmon Polariton Excitation
Electronic Structures of Ordered Langmuir—Blodgett Films of an Amphiphilic Derivative of 2,5-Diphenyl-1,3,4-Oxadiazole
Study of Adhesion Properties of Polymer Surfaces by Atomic Force Microscopy
Light Emitting Efficiencies in Organic Light Emitting Diodes (OLEDs)
Light-Emitting Devices Based on Sequentially Adsorbed Layer-by-Layer Self-Assembled Films of Alizarin Violet
Structural Properties and Interactions of Thin Films at the Air—Liquid Interface Explored by Synchrotron X-Ray Scattering
Isomerically-Featured Aggregate Images of Phenol-Formaldehyde Monolayers by BAM and SMM
NMR Methods for Studies of Organic Adsorption Layers
Composite Polyelectrolyte Self-Assembled Films for Chemical and Bio-Sensing
A Conductometric pH Sensor Based on a Polypyrrole LB Film
Designed Nano-Engineered Polymer Films on Colloidal Particles and Capsules
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Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.

LASCT Holdings - maximum detail by Title **N**

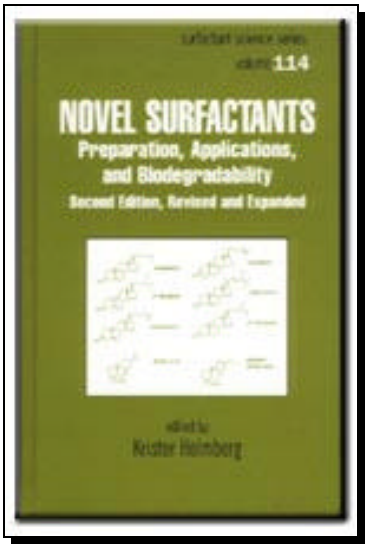
Title	Location	Edition / Series / Misc.

1119 **Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.**

Author: Krister Holmberg, ed.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Solubility and Surfactants - Health, Safety, and the Environment
Desc: 648 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824743008
Shelf

Edition:
Series:
Year: 2003
Price: $168.50



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Enzymatic Synthesis of Surfactants
Surfactants Produced by Microorganisms
Cleavable Surfactants
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Methyl Ester Ethoxylates
Polymerizable Surfactants
Polymeric Surfactants
Silicone Surfactants
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Reviews - Synopsis - Dust Jacket

This extensively revised and expanded second edition of Surfactants
potential applications of popular and emerging surfactant compounds and systems. It offers in-depth coverage of current research trends in green surfactants, the production of surfactants using biotechnological methods, and surfactants based on natural building blocks. Five of the six new chapters analyze aspects of natural surfactants, focusing on surfactants produced by microorganisms, surfactant types based on sugar as hydrophilic building blocks, and surfactant classes based on fatty acids as hydrophobic building blocks. There is also a new chapter on polymeric surfactants.From the Preface: "...In this new edition the majority of the chapters from the first edition have been updated. Many topics have been expanded to include recent advances and many recent references have been included. The substantial amount of new material included in the second edition is indicative of the rapid development currently taking place in the areas chosen as topics for the first edition...The relatively large percentage of industrial contributors ensures that the surfactant types chosen for reviews are of commercial relevance. As in the first edition of the book, the intention has been to select surfactants that are not yet well established on the market but are not just research curiosities..."Target Audience: Physical, analytical, surface, col organic, polymer, oil, and medicinal chemists and biochemists; and upper-level students in these disciplines.

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Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)

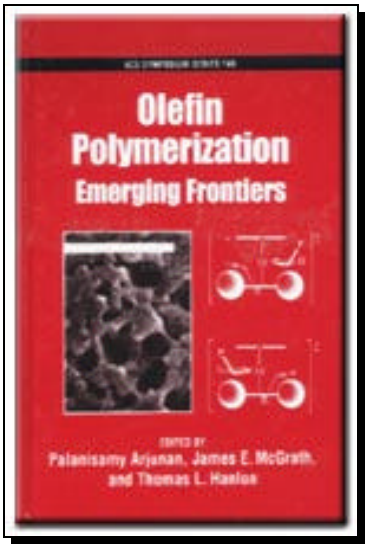
Title	Location	Edition / Series / Misc.

1331 **Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)**

Author:
Publish.: American Chemical Society
- place:
- date: 2000
Subject: Polymer Science - Polymer Characterization
Desc: 216 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841236143
Shelf

Edition:
Series:
Year: 2000
Price: $95.00



Subjects

610 .	Polymer Science
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

Polyolefins, polymer-based unsaturated hydrocarbons with one C—C bond, comprise perhaps the most important, and by far the most prevalent, polymer group in the world. They include ethylene and propylene and have well-known applications in such ubiquitous fields as food packaging, fiber technology, and injection molding. This edited collection of papers provides a state-of-the-art perspective on basic research in polyolefin chemistry.From the Foreword: "...The purpose of the [ACS Symposium] series is to publish timely, comprehensive books developed from ACS sponsored symposia based on current scientific research. Occasionally, books are developed from symposia sponsored by other organizations when the topic is of keen interest to the chemistry audience..."From the Preface: "...Many research activities, such as developing new catalysts, understanding polymerization mechanisms, modifying the products, and improving the physical properties of the materials have been proceeding at a very fast pace, especially in the industrial laboratories around the world...This book is intended to capture some of the most recent and emerging technical achievements presented in the ['Advances in Olefin Polymerization'] symposium. "Target Audience: Polymer scientists and technologists, as well as upper-level students, who are interested in the polymerization of olefins, or in the products whose qualities rely on this process.Brief Table of Contents:Preface
Progress in Polymer Design
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Optical Methods of Measurement: Wholefield Techniques

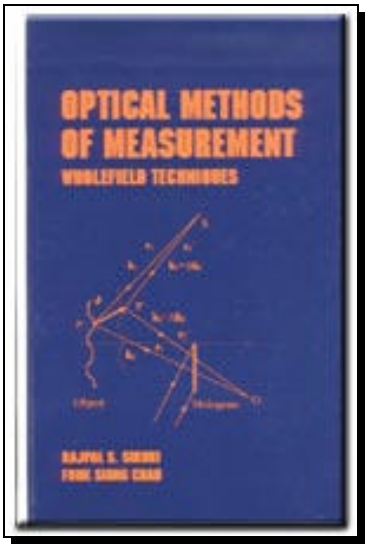
Title	Location	Edition / Series / Misc.

1261 **Optical Methods of Measurement: Wholefield Techniques**

Author: Rajpal S. Sirohi and Fook Siong Chau
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: OA/OC. Statistics. and Testing - Recommend this Site
Desc: 338 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824760034
Shelf

Edition:
Series:
Year: 1999
Price: $148.50



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Reviews - Synopsis - Dust Jacket

This unique reference provides a clear and comprehensive examination of the most advanced noncontact, noninvasive optical measurement techniques employing laser, holographic, and digital technology. The book supplies a basic grounding in lightwave behavior and propagation; covers both temporal and spatial phase evaluation techniques; discusses optical methods for strain and stress analysis as well as less complex topography measurements; compares traditional to newer digital holographic interferometry (HI); describes the use of polarized light, scattered light, and phaseshifting in relation to photoelasticity and holophotoelasticity; and more.From the Preface: “Optical techniques of measurement are among the most sensitive known today. In addition, they are noncontact, noninvasive, and fast...Any of the characteristics of a light wave — amplitude, phase, length, frequency, polarization, and direction of propagation — can be modulated by the measurand. On demodulation, the value of the measurand at a spatial point and at a particular instant can be obtained...This book contains a wealth of information on wholefield measurement methods, particularly those employed frequently on modern experimental mechanics since the variable that is normally monitored is displacement. Thus, the methods can be used to determine surface deformation, strains, and stresses...”Target Audience: Optical, mechanical, manufacturing, electrical and electronics, industrial, aeronautical, research and development, and quality control engineers; physicists; and advanced students in these disciplines.

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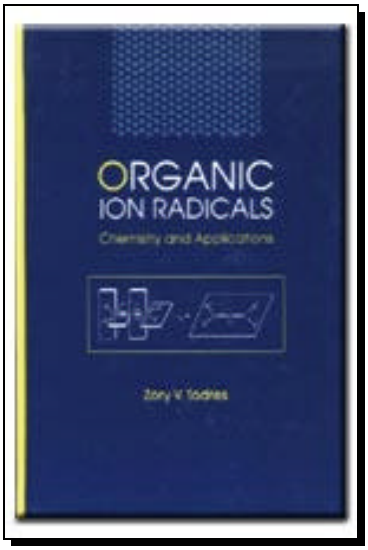
Organic Ion Radicals: Chemistry and Applications

Title	Location	Edition / Series / Misc.
1450 **Organic Ion Radicals: Chemistry and Applications**		*Edition:*
Author: Zory V. Todres	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824708105	
- date: 2003	*Shelf*	*Year:* 2003
Subject: Solubility and Surfactants - Biopolymers and Medical Applications -		*Price:* $161.50
Desc: 456 p, 7 x 10 Hardcover		



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623 .	Health, Safety, and the Environment

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How to Discern Ion Radical Mechanisms of Organic Reactions
How to Optimize Organic Ion Radical Reactions
Organic Ion Radicals in Synthesis
Practical Applications of Organic Ion Radicals
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Reviews - Synopsis - Dust Jacket

This authoritative treatise on the electronic structure of organic ion radical species and their reactivity highlights current and developing technical applications of organic ion radicals. It discusses the formation and transformation of ion radicals in typical conditions of organic synthesis, and presents an overview of organic ion radical reactions, especially those applicable to ecological or biological processes. Topics include stereochemical aspects of ion radical reactivity; practical applications of organic ion radicals to lubrication and delignification as well as in conductors, magnets, and optoelectronics; solid phase studies; and more.From the Foreword: "...This book gathers into a single place the widely scattered material needed to consider ion radicals from an organic chemist's point of view. A highly useful aspect of this book is its incorporation of relevant studies from the Russian literature, a significant amount of it originating from Todres' own group in Moscow. Little of this material has previously received proper emphasis, or even citation, in the English-language literature."From the Preface: "...The theme of the book is the formation, transformation, and application of ion radicals in typical conditions of organic synthesis. The book presents an overview of organic ion radical reactions and explains the principles of ion radical organic chemistry. Methods of determining ion-radical mechanisms and controlling ion radical reactions are also reviewed..."Target Audience: Physical organic chemists, ecologists, biologists, and specialists in the electronics of organic materials, as well as professors, researchers, and students.

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Title	Location	Edition / Series / Misc.
1577 **Organic Pigments, 3rd Ed.**		*Edition:* 3rd Edition
Author:	*Dynix:*	*Series:*
Publish.: FSCT	*Call No.:*	
- place:	*ISBN:* 0934010358	
- date: 2000	*Shelf*	*Year:* 2000
Subject: Raw Materials		*Price:* $30.00
Desc: 44 pages, soft cover		

Subjects

636 .	Raw Materials

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Reviews - Synopsis - Dust Jacket

The most current information on the classification of organic pigments by chemical composition and by color is presented in this 44-page publication. Authored by Peter Lewis, this booklet updates the information contained in the Second Edition, published in 1995 as part of the FSCT Series on Coatings Technology. The monograph is introduc with a discussion of international nomenclature, the "Colour Index System." The monograph incorporates addition C Numbers, many for the first tiem. Key additions have been made in the area of high perofrmance reds. Additional chapters focus on the dispersion process and on testing pigments for use in coatings.

< < < NOTE: LASCT Has FS10R95 (1995) > > >

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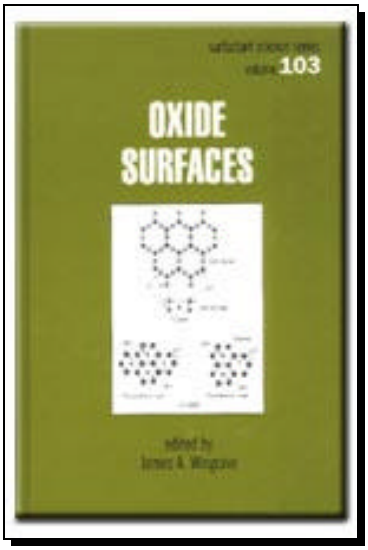
Title	Location	Edition / Series / Misc.

1316 **Oxide Surfaces**

Author: James A. Wingrave, ed.
Publish.: Marcel Dekker
- place:
- date: 2001
Subject: Interfacial Engineering and Surface Science - Materials Science -
Desc: 536 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824700007
Shelf

Edition:
Series:
Year: 2001
Price: $158.50



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis
609 .	Materials Science

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The Liquid—Metal Oxide Interface:
Equilibrium Adsorption at the Solution—Metal Oxide Interface
Adsorbed and Grafted Polymers at Equilibrium
Adsorption Kinetics of Polymeric Molecules
Activity Coefficient and Electrostatics at the Solution—Metal Oxide Interface
The Dissolution of Insulating Oxide Minerals
The Surface Chemistry of Clay Materials
Nonaqueous Liquid—Mineral Oxide Interface
Surface Modification of Inorganic Oxide Surfaces by Graft Polymerization
Metal Oxide MembranesThe Vapor—Metal Oxide Interface:
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Reviews - Synopsis - Dust Jacket

This book collects a broad range of topics in a single-source reference providing a detailed treatment of recent information related to fluid—oxide interfaces, and outlining methods for quantifying adsorption and desorption of polymeric and nonpolymeric solutes at the gas— and solution—oxide interface. It assists the reader in solving problems encountered in gas and liquid interfacial science.Oxide Surfaces examine adsorption at the solid—gas interface; describes carefully controlled coating methds of solution—oxide interfaces with molecularly thin homogeneous polymer films; considers kinetic and equilibrium adsorption as well as the activity coefficient effect on the adsorption process; discusses the influence of contiguous phases on oxide surface structures and properties; and more.From the Preface: “The scope of any discussion on oxide surfaces is virtually limitless when one considers that most of the surfaces in the universe are covered with oxides of some sort...As a result of the magnitude of the subject, this book was undertaken with three goals in mind: (1) to collect a wide-ranging group of topics relating to oxide surfaces, (2) to meld the chapters so that they augment and amplify each other, and (3) to write rigorous, tutorial discussions rather than literature reviews...”Target Audience: Physical, surface, and colloid chemists; chemical, biochemical, biomedical, and environmental engineers; materials scientists; and upper-level undergraduate and graduate students in these disciplines.

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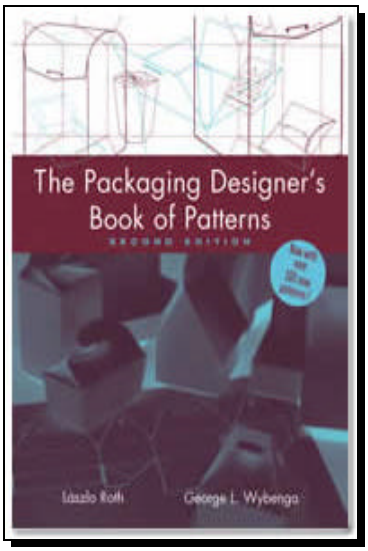
Title	Location	Edition / Series / Misc.

1165 **Packaging Designer's Book of Patterns, 2nd Ed.**

Author: Laszlo Roth and George L. Wybenga
Publish.: John Wiley & Sons
- place:
- date: 2000
Subject: Packaging Conformance and Specifications - General Reference -
Desc: 608 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 471385042
Shelf

Edition:
Series:
Year: 2000
Price: $56.50



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604 .	General Reference
630 .	Packaging Conformance and Specifications
716 .	Packaging: General Reference

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Corrugated Containers
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Reviews - Synopsis - Dust Jacket

This expanded edition of
Patterns
significant revisions and improvements to more than 250 patterns brought
forward from the original edition. Overall, over 500 ready-to-use patterns
and structural designs are presented. Every pattern has been
test-constructed to verify dimensional accuracy and is ready to be traced,
scanned, or photocopied for immediate use.The patterns can be scaled to suit particular specifications, and many
are easily converted to alternate uses. Details — such as tabs, locks, and
closures — are often interchangeable and may be adapted to specific
requirements or personal preference. To help ensure construction quality,
all glue areas are clearly indicated with black dots. Highly recommended.From the Preface: "...The various sections
this book only serve an
organizational purpose. Thus, a paperboard carton may be easily converted
into a corrugated container, and vice versa...As stated before, some
configurations or machinery may be protected by one or more patents. Each
pattern in this volume has been photocopied on oaktag and constructed in
order to verify the dimensional accuracy and as a model for the
three-dimensional drawings of the containers..."Target Audience: Packaging and industrial design professionals,
packaging manufacturers and purchasers, graphic and structural designers.

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Packaging: Specifications, Purchasing, and Quality Control, 4th Ed.

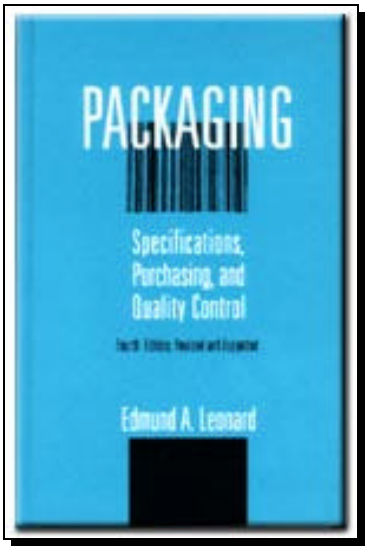
Title	Location	Edition / Series / Misc.

1097 **Packaging: Specifications, Purchasing, and Quality Control, 4th Ed.**

Author: Edmund A. Leonard
Publish.: Marcel Dekker
- place:
- date: 1996
Subject: Packaging Conformance and Specifications - Packaging: General
Desc: 304 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824797558
Shelf

Edition:
Series:
Year: 1996
Price: $98.50



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607 .	QA/QC, Statistics, and Testing
630 .	Packaging Conformance and Specifications
716 .	Packaging: General Reference

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Functional and Marketing Criteria in Specifications
Manufacturing and Cost Criteria in Specifications
The Buyer—Supplier Relationship
Quality Control Principles
Glass Container Specifications and Quality Control
Metal Container Specifications and Quality Control
Plastics Package Specifications and Quality Control
Paperboard-Based Packaging
Flexible Packaging
Unitized Distribution Packaging
Computerized Specifications
Specifications and Quality Control of Bar Codes
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Reviews - Synopsis - Dust Jacket

This text considers packaging as part of the complete business strategy, with a strong emphasis on specifications and quality control. It describes, from a technological basis, the postdevelopment activities required to bring packaging specifications into production successfully.The fourth edition of Quality Control marketing problems caused by quality and communications gaps; presents a unique perspective on the importance of bar codes; provides details on performance testing of unit loads and conformance to shipping regulations; offers new information on advanced flexible packaging; and more.From the Preface: “In addition to being informativ and meaningful, every `technical' book should be easy and pleasurable to read. That thought has been kept in mind during the writing of this book, with the additional idea that technology can be easier to grasp if set out, as on a stage, with backdrops and illumination of the broader principles and rationale on which the technology acts. I hope that the reader benefits from this approach...”Target Audience: Professionals involved in all areas of packaging, including purchasing, manufacturing, design, quality control, research, and engineering, as well as students of these fields.

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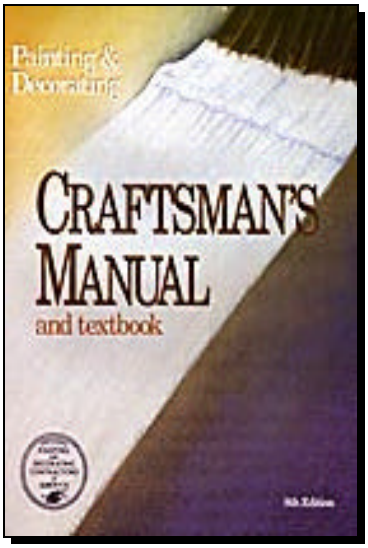
Title	Location	Edition / Series / Misc.

1578 **Painting and Decorating Craftsman's Manual**

Author: 0915050005
Publish.: PDCA
- place:
- date: 1995
Subject: Reference
Desc: 362 pages, hardbound.

Dynix:
Call No.:
ISBN: 0915050005
Shelf

Edition:
Series:
Year: 1995
Price: $154.00



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637 .	Reference

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Reviews - Synopsis - Dust Jacket

This manual serves as a valuable reference book for the industry. The textbook has been used with many appren programs and has been cited as an authority in litigation to settle issues arising from the alleged improper applicatio use of materials. Topics include materials, equipment, rigging, safety, color, procedures, failure and remedies, wallcoverings, application techniques, surface preparation and more.

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Title	Location	Edition / Series / Misc.

1049 **Paper Coating Additives**

Author:
Publish.: TAPPI Press
- place:
- date: 1995
Subject: Additives - Inks and Coatings - Paper and Paperboard
Desc: 150 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 898520614
Shelf

Edition:
Series:
Year: 1995
Price: $68.50

Subjects

603 .	Inks and Coatings
611 .	Additives
615 .	Paper and Paperboard

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Paper Coating Additives — General Description
Some Principles of Coating Formulation
Foam Control
Water Retention and Rheology Modifiers
Colorants
Dispersants
Lubricants
Insolubilizers
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Reviews - Synopsis - Dust Jacket

This multi-authored work, an update of a classic text on paper coating additives (The
in-depth coverage of nearly all major additives used in paper coating. Each chapter reviews the chemistry, applications, and end use of each class of coating additive. Introductory chapters provide overviews of paper coating additives in general, and of the principles of coating formulation.From the Preface: "...In the last 20 years, technology has changed in the paper coating industry. The challenge in this publication is to review the past technical information and incorporate current learnings. Therefore, this work represents a bench mark in coating additive technology."Target Audience: An excellent reference source for process control, quality, and manufacturing engineers; developers of coatings, additives for coatings, and coated products; also for academic, industrial, or public libraries.

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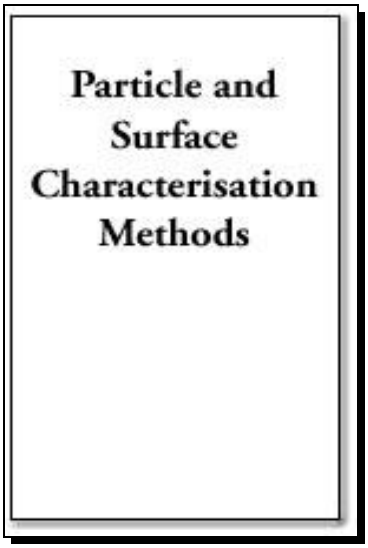
Title	Location	Edition / Series / Misc.

1141 **Particle and Surface Characterisation Methods**

Author: R.H. Muller and W. Mehnert, eds.
Publish.: CRC Press
- place:
- date: 1998
Subject: Surface Characterization and Analysis - OA/OC. Statistics. and Test
Desc: 280 p, Hardcover

Dynix:
Call No.:
ISBN: 3887630572
Shelf

Edition:
Series:
Year: 1998
Price: $58.50



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607 .	QA/QC, Statistics, and Testing
608 .	Surface Characterization and Analysis

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Particles on Surfaces 5 & 6: Detection, Adhesion and Removal

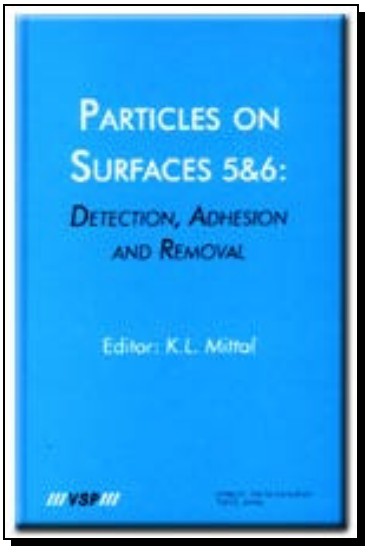
Title	Location	Edition / Series / Misc.

1391 **Particles on Surfaces 5 & 6: Detection, Adhesion and Removal**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 1999
Subject: Interfacial Engineering and Surface Science - Adhesives and
Desc: 362 p, 6.6 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067643122
Shelf

Edition:
Series:
Year: 1999
Price: $125.00



Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
609 .	Materials Science

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General Papers:
High Sensitivity Rapid Detection of Particulate Contamination
Detection of Particles on Surfaces Using Evanescent Wave Scattering
Metallic Contamination from Particles on the Backside of Wafers
The Effect of Fluid Dynamics on Particle Shedding from Semiconductor Fluid-Handling Components
Influence of Surface Charge on Particle Dispersion/Aggregation as Determined by Atomic Force Microscopy
Synthesis of Composite Particles by a Dry Coating TechniqueParticle Adhesion and Removal:
Particles, Surfaces and Turbulent Fluid Flow: The Dynamics of Adhesion
The Role of Cetyl Pyridinium Chloride in Reducing Adhesion Forces Between Alumina Particles and Quartz Surfaces
The Effects of Various Surfactants on the Adhesion of Fine Particles to Polycarbonate Lenses and on the Scratches Produced During Wiping ProcessesPrecision Cleaning and Processing Industrial Applications
Co-Solvents in Supercritical Fluids for Enhanced Effectiveness in Particle Removal
Hydrodynamic Removal of Fine Particles from Solid Surfaces
Study of High-Speed Droplet Impingement on Solid Surfaces
Measurements and Modelling of Megasonic Cleaning Processes
Carbon Dioxide (Dry-Ice) Particle Blasting as a Mainstream Cleaning Alternative
Carbon Dioxide Snow Cleaning
Argon Aerosol Surface Cleaning: An Overview
Development and Optimization of a Cryogenic Aerosol-Based Wafer Cleaning System
Radiance Process Evaluation for Particle Removal
Chemically Assisted Laser Removal of Photoresist and Particles from Semiconductor Wafers
Removal of Particulate Contamination from Silicon Surfaces with Laser-Based Cleaning Technology
Removal of Particulate and Film Contaminants by Impacting Surfaces with Microcluster Beams
Post-CMP Particle Removal Using a Capella Brush Cleaner
Particle Removal from Semiconductor Surfaces by Chemical-Mechanical Cleaning: Setting the Record Straight

Reviews - Synopsis - Dust Jacket

This volume offers bountiful information and represents a current commentary on the research and development activity taking place regarding the adhesion of particles to surfaces, and of their detection and removal. The papers were originally presented at the 5th and 6th Symposia on Particles and Surfaces, held under the aegis of the Fine Particle Society in Chicago (May 6-9, 1996) and Dallas (April 1-3, 1998), respectively. The removal of particles from a host of surfaces was highlighted, with a focus on the need to remove smaller and smaller particles. All papers have undergone peer review, and those which were presented in 1996 have been updated as needed to make them current.From the Preface: "...Both of these symposia elicited an excellent response, which is a testimonial to the brisk R&D activity and

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interest apropos of particles on surfaces. The technical programs clearly reflected an interest and need to amerliorate the existing methods and to devise new and more efficient ways to detect, analyze and characterize particles on surfaces..."Target Audience: Scientists, technologists, and upper-level students concerned with the adhesion, detection, and removal of fine particles on surfaces.

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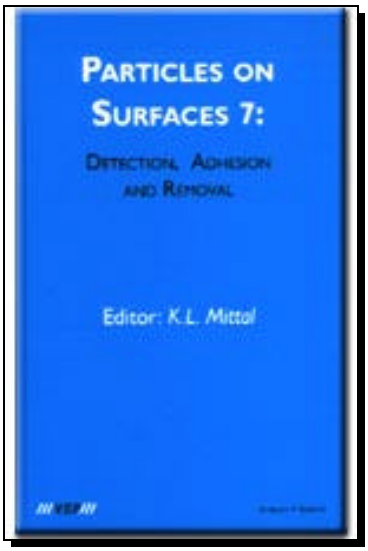
Title	Location	Edition / Series / Misc.

1464 **Particles on Surfaces 7: Detection, Adhesion and Removal**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2002
Subject: Interfacial Engineering and Surface Science - Adhesives and
Desc: 462 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067643726
Shelf

Edition:
Series:
Year: 2002
Price: $216.50



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600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
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Cleaning, Rinsing and Drying Issues in Post-Cu CMP Cleaning: A Case Study
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Adhesion of Small Particles and Innovative Methods for their Removal
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Adhesion and Removal of Particles from Charged Surfaces Under a Humidity-Controlled Air Stream
Adhesion Measurements by AFM and Surface Energy Characteristics by IGC of Xerographic Toner Particles Under Different Mechanical and Environmental Conditions
Measurements of Adhesion Forces in Pharmaceutical Powder—Polymer Systems by Atomic Force Microscopy
Direct Adhesion Measurements Between Pharmaceutical Materials
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Particle Removal with Ultrasonics and Megasonics
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Removal of Fibrin Coated Particles from Surfaces
Enhancement of Particle Removal and Modification of Interfacial Phenomena Using Surfactants
The Enhancement of Particle Removal by Adding Valtron SP2200 Surfactant into SC1 Solution
Optimization of Particle Removal Performance of dHF-Based Cleaning Recipes
Spray Cleaning with Hydrofluorocarbon Solutions

Reviews - Synopsis - Dust Jacket

This volume documents the proceedings of the Symposium on Particles on Surfaces: Detection, Adhesion and Removal held in Newark, NJ June 19-21, 2000. It is divided into two parts: the

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first addresses particle analysis and general cleaning-related topics, while the more voluminous second section focuses on particle adhesion and removal. The book offers a wealth of cutting-edge information on this field, which is extremely important in a host of diverse technological areas, including microelectronics, optics, and biomedical engineering.From the Preface: "...[W]ith the shrinking featı sizes in microelectronic devices, the need to remove smaller particles is quite manifest. Also with the decreasing flying height between the head and the disk in information storage field, the removal of real small (nanoscale) particles is of cardinal importance. With the current burgeoning interest in nanotechnologies, the understanding of the behavior of nanoparticles and the need to devise efficient ways to remove such particles cannot be overemphasized..."Target Audience: Scientists, technologists, and upper-level students concerned with the adhesion, detection, and removal of fine particles on surfaces.

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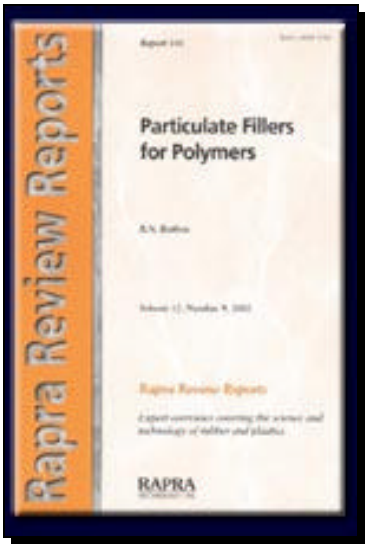
Title	Location	Edition / Series / Misc.

1407 **Particulate Fillers for Polymers (Rapra Review Report 141)**

Author: R.N. Rothon
Publish.: Rapra
- place:
- date: 2002
Subject: Additives - Recommend this Site
Desc: 160 p, 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 185957310
Shelf

Edition:
Series:
Year: 2002
Price: $123.50



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Reviews - Synopsis - Dust Jacket

This overview addresses particulate filler production and use. It outlines the principal filler types, including carbon black, natural mineral fillers, synthetic mineral fillers, as well as the use of clay in nanocomposites. Filler characteristics are addressed, with discussion of particle size (and its distribution), shape, surface chemistry, specific surface area, costs, and more. Filler loading, practical aspects of filler grading, filler surface modification, and the interactions of fillers and polymer types are all described.From the Introduction: "...The term functional filler is often used to describe materials that do more than provide cost reduction. Examples of functional fillers include carbon black and precipitated silica reinforcements in tyre treads, aluminum and magnesium hydroxide flame retardant additives for many polymer types, and calcined clay and wollastonite reinforcement of some thermoplastics...It is the aim of this review to provide an introduction to this fascinating area, including the latest views on the main scientific principles and current trends in filler technology and applications..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.Target Audience: Professionals in industry and academ who are concerned with the use of particulate fillers in polymers.

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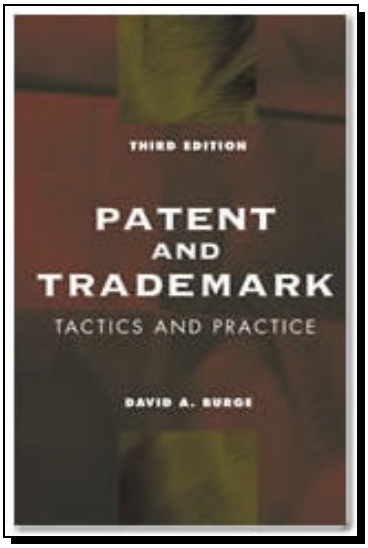
Title	Location	Edition / Series / Misc.

1234 **Patent and Trademark Tactics and Practice, 3rd Ed.**

Author: David A. Burge
Publish.: John Wiley & Sons
- place:
- date: 1999
Subject: Patents and Intellectual Property - Recommend this Site
Desc: 298 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471329320
Shelf

Edition:
Series:
Year: 1999
Price: $61.50



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Reviews - Synopsis - Dust Jacket

This clear, no-nonsense guide presents critical coverage of cutting-edge issues related to international law, electronic data, the Internet, and more. It covers the definition and understanding of patents and trademarks, legal rights and obligations, and the correct procedures necessary for legal protection in each case. It answers dozens of legal and procedural questions, from how to find a good patent attorney and apply for a patent to how to select and use a trademark and protect trade secrets.From the Preface: “I have tried to create a readable book written from the viewpoint of a registered patent attorney who enjoys an active patent and trademark practice...I have tried to avoid dwelling on complex legal issues and, instead, to concentrate on points of practical importance. This book began as a checklist of points to cover with new clients. As the list grew it provided an outline for the first edition. The second and third editions have brought updates that reflect important changes in the law and additions that treat areas of practice that are of increasing interest and importance...”Target Audience: Inventors, business managers and entrepreneurs, and others engaged in the development, protection, and management of intellectual property.

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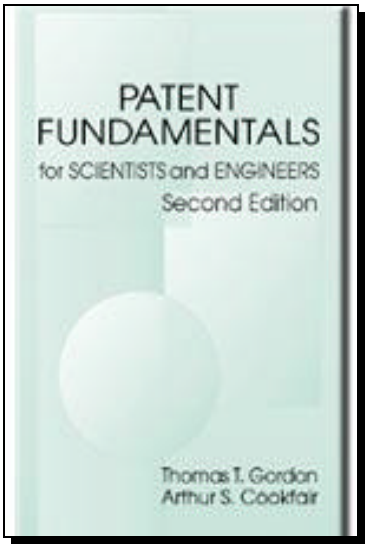
Title	Location	Edition / Series / Misc.

1036 **Patent Fundamentals for Scientists and Engineers, 2nd Ed.**

Author: Thomas T. Gordon and Arthur S. Cookfair
Publish.: Lewis Publishers
- place:
- date: 2000
Subject: Patents and Intellectual Property - Recommend this Site
Desc: 168 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1566705177
Shelf

Edition:
Series:
Year: 2000
Price: $48.50



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Reviews - Synopsis - Dust Jacket

This updated edition provides a clear explanation of the patent system. It includes information on the patenting process, obtaining patent protection, and how to recognize patentable inventions and avoid legal problems of infringement. The scope is international, with chapters on Canadian and other non-U.S. patent systems. New material in the second edition of includes internet patent search techniques, helpful internet addresses, copies of the forms needed to file a patent, and more.From the Preface: "...The patent system is also designed to promote the incentive for others to improve on the invention and enlarge the field of technology. This is a vital aspect of our system and has been very successful in the 200+ years it has been in existence. During those years, there have been changes in the system, but the basic tenets established at its creation still exist. Modifications and new applications are constantly occurring. Those changes will occur in the future, but the system will remain strong and will continue to foster advances in science and technology."Target Audience: Anyone needing an understanding of the patent system, including scientists, engineers, inventors, researchers, information retrieval specialists, business managers, entrepreneurs, and patent liason workers.

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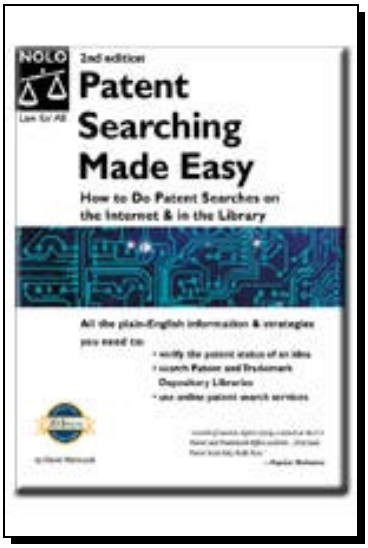
Title	Location	Edition / Series / Misc.

1185 **Patent Searching Made Easy: Patent Searches on the Internet and in the Library, 2nd Ed.**

Author: D. Hitchcock
Publish.: Nolo Press
- place:
- date: 2000
Subject: Patents and Intellectual Property - Recommend this Site
Desc: 192 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 873375548
Shelf

Edition:
Series:
Year: 2000
Price: $15.00



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Patent Strategy: For Researchers and Research Managers, 2nd Ed.

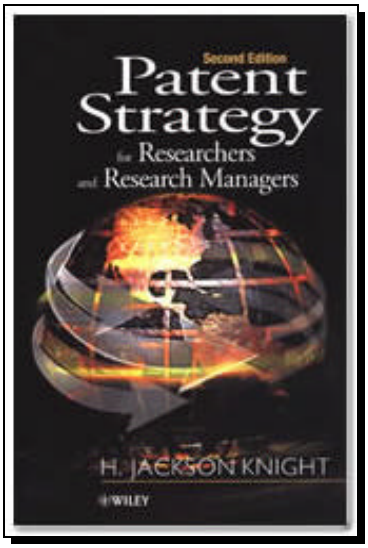
Title	Location	Edition / Series / Misc.

1337 **Patent Strategy: For Researchers and Research Managers, 2nd Ed.**

Author: H. Jackson Knight
Publish.: John Wiley & Sons
- place:
- date: 2001
Subject: Patents and Intellectual Property - General Reference
Desc: 220 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 471492612
Shelf

Edition:
Series:
Year: 2001
Price: $53.50



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Basic Intellectual Property Concepts
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Reviews - Synopsis - Dust Jacket

As individuals and companies realize the importance and value of their inventions, issues surrounding patent laws and practices are taking center stage around the world. Thus, all inventors require a basic understanding of the patenting system if they are to successfully protect their inventions. The continuing increase in patent activity has spawned a number of new laws, and undoubtedly is affecting the interpretation of existing ones. To reflect these changes, the Strategy: For Researchers and Research Managers and completely updated.This book bridges the gap between the legal system and scientific research and avoids legal jargon; details the reasons behind patents, their importance and relevance to all researchers, and the strategy needed for filing for a patent; and focuses on strategy and reasons rather than merely presenting patent law. The syle is readable, and the subject matter passes from basics right up to strategy development.From the Preface: "...Regardless of the technology, all potenti inventors need a good foundation of understanding of the patenting system, and this is what this book attempts to provide. This book is not meant to be an advanced text of all the possible strategies available to an inventor or a company. It remains a basic guide for the inventor; a source of information to read and then keep for further reference..."Target Audience: Recommended for inventors, research and research managers, as well as others involved in the patent process, and students interested in pursuing research and invention.

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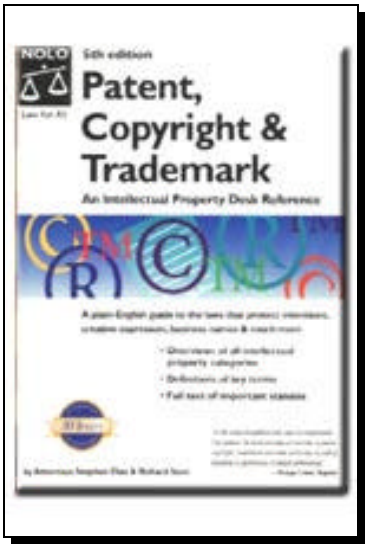
Title	Location	Edition / Series / Misc.
1187 **Patent, Copyright and Trademark, 5th Ed.**		*Edition:*
Author: Stephen R. Elias	*Dynix:*	*Series:*
Publish.: Nolo Press	*Call No.:*	
- place:	*ISBN:* 873378482	
- date: 2002	*Shelf*	*Year:* 2002
Subject: Patents and Intellectual Property - General Reference		*Price:* $18.50
Desc: 512 p, 7 x 9 Paperback		



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Intellectual property law has rapidly produced its own language. But don't count on understanding it right off the bat — the language baffles lawyers and layfolk alike.This comprehensive reference defines, in clear, easy to understand English, over 500 terms used in intellectual property law, explaining the different kinds of protection offered by patents, copyrights, trademarks, and trade secrets. The fourth edition of Tradeark discussion of Internet issues, and and expansion of many definitions. Organized by topic, with extensive cross-referencing for easy use, it contains the full text of essential laws.From the Introduction: “In simple terms, intellectual property is a product of the human intellect that has commercial value. Intellectual property encompasses a wide range of creations — from fiction, poetry, songs, designs and artwork to ads, product names, mechanical inventions, processes, chemical formulas, machines and software. The commercial value of intellectual property comes from the ability of its owner to control its use...”Target Audience: Inventors, designers, writers, programmers — anyone who needs to understand the lexicon of intellectual property law.Brief Table of Contents:Trade Secret Law
Copyright Law
Patent Law
Trademark Law

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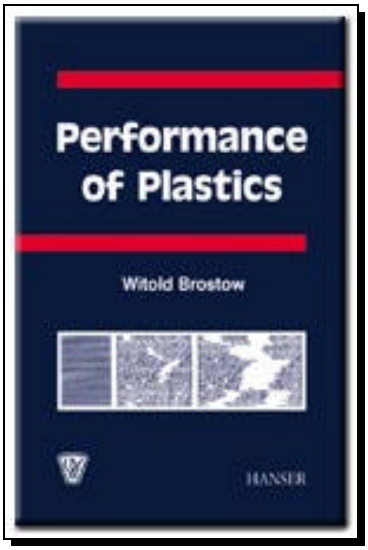
Title	Location	Edition / Series / Misc.

1297 **Performance of Plastics**

Author: Witold Brostow, ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: Plastics Processing Technology - Composites, Laminates, and
Desc: 710 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902771
Shelf

Edition:
Series:
Year: 2001
Price: $158.50



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Effects of Processing on Mechanical Behavior of Thermoplastics
Nucleation by Additives in Semi-Crystalline Polymers: Effects on Mechanical Behavior
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Physical Aging: Effects on Physical and Mechanical Performance
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Performance of Plastics
performance of polymers and composites. It introduces the reader to the basic properties of polymers and their behavior. It continues with the description of the various testing procedures and the information they convey, before it provides the reader with the latest on performance of polymers in service and its prediction. The final section of the book is devoted to special polymer-based materials and their applications in important industries such as automotive, aircraft, aerospace, and electronics.Target Audience: Students, engineers, and researchers interested in plastics performance.

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Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrier Materials

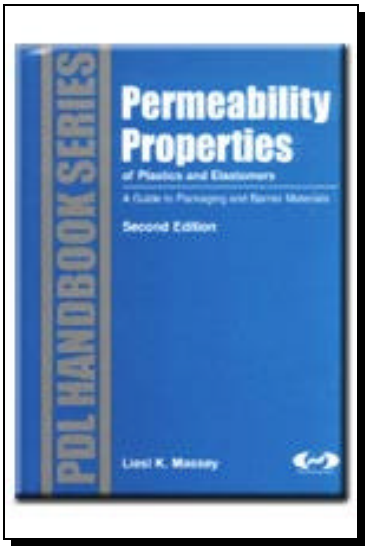
Title	Location	Edition / Series / Misc.

1027 **Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrie**

Author: Liesl K. Massey
Publish.: Plastics Design Library
- place:
- date: 2003
Subject: Polymer Characterization - Materials Science - Packaging
Desc: 616 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 1884207979
Shelf

Edition:
Series:
Year: 2003
Price: $205.00



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This bestselling data handbook from Plastics Design Library provides comprehensive permeation and barrier data for polymeric materials in thin sections. Data on permeation of liquids, gases, moisture, aroma, and flavor — each an important consideration in a wide range of applications — is extensive. Test conditions, exposure environments, and test specimen details are reported in full. Product data is presented in graphical and tabular format, with results normalized to SI units, retaining the familiar format of the first edition and allowing easy comparision between materials and test conditions.New to this revised edition of and Elastomers chapters including: category, general description, processing methods, applications, and general permeability considerations for water vapor, oxygen, and other gases including aroma and flavor. The introductory chapters have been expanded to serve as more comprehensive primer on the nature of polymeric materials and standard measurements and test methods. There are six all-new chapters, and the section on the permeability of gloves has been substantially revised. An invaluable resource and reference work.From the Preface: "...As a reference book, this edition strives to present data in a format that allows the user to easily compare and contrast performance characteristics between different material families, and where possible, between the products available within a material family itself. Information was gathered from many sources: material manufacturers, technical journals and papers, etc....It is my hope that this reference is the first book to which an engineer, designer, or scientist refers when looking for general material properties and trends between families of polymers. From the data included herein, typical performance can be determined and materials selected to meet general criteria. The user can then research and evaluate...for a specific application..."Target Audience: Scientists, engineers, designers, and technicians in the plastics industry concerned with the permeability properties of multilayer and composite films.Brief Table of Contents:Introduction
Thermoplastics
Thermoplastic Alloys
Multilayer Structures
Thermosets
Thermoplastic Elastomers
Rubbers
Appendices
Indices

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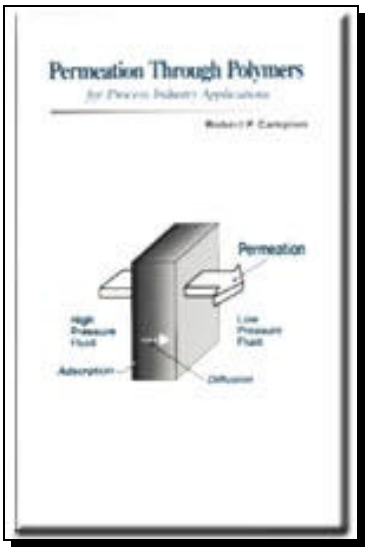
Title	Location	Edition / Series / Misc.

1469 **Permeation through Polymers for Process Industry Applications**

Author: Robert P. Campion
Publish.: Materials Technology Institute
- place:
- date: 2000
Subject: Polymer Surface Chemistry - Interfacial Engineering and Surface
Desc: 160 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 444500529
Shelf

Edition:
Series:
Year: 2000
Price: $83.50



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This volume contains 26 papers originally presented at the LB9 conference, held in Potsdam, Germany in August 2000. It is dedicated to new techniques and methodologies for studying interfacial layers. One group of manuscripts deals with the application of surface plasmons at solid interfaces, used for example in resonance spectroscopy and light scattering. New applications of various types of Atomic Force Microscopy are reported, making use of various tip modifications. There are a number of papers on light emitting diodes, fluorescence, and electroluminescence; electromechanical methods for developing miniaturized pH or gas sensors are also described, along with the application of synchrotron X-ray and NMR techniques for elucidating molecular information for various types of interfacial layers.From the Foreword: "...The topics comprised of course much more than only Langmuir Blodgett layers, which only gave the traditional name of this series of conferences. Actually the scientific fields spanned over many aspects of monolayer and adsorption layers at various liquid and solid interfaces..."Target Audience: Researchers and upper-level students of colloids, physical chemistry, thin films, LEDs, microsensors, and related fields.Partial Table of Contents:Ellipsometry in Inter Science

Detection of Evanascent Fields on Arachidic Acid LB Films on Al Films Caused by Resonantly Excited Surface Plasmons
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Electronic Structures of Ordered Langmuir—Blodgett Films of an Amphiphilic Derivative of 2,5-Diphenyl-1,3,4-Oxadiazole
Study of Adhesion Properties of Polymer Surfaces by Atomic Force Microscopy
Light Emitting Efficiencies in Organic Light Emitting Diodes (OLEDs)
Light-Emitting Devices Based on Sequentially Adsorbed Layer-by-Layer Self-Assembled Films of Alizarin Violet
Structural Properties and Interactions of Thin Films at the Air—Liquid Interface Explored by Synchrotron X-Ray Scattering
Isomerically-Featured Aggregate Images of Phenol-Formaldehyde Monolayers by BAM and SMM
NMR Methods for Studies of Organic Adsorption Layers
Composite Polyelectrolyte Self-Assembled Films for Chemical and Bio-Sensing
A Conductometric pH Sensor Based on a Polypyrrole LB Film
Designed Nano-Engineered Polymer Films on Colloidal Particles and Capsules
Drop and Bubble Shape Analysis as a Tool for Dilational Rheological Studies of Interfacial Layers
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Title	Location	Edition / Series / Misc.

1235 **Photogeneration of Reactive Species for UV Curing**

Author: Cliff G. Roffey
Publish.: John Wiley & Sons
- place:
- date: 1997
Subject: Curing and Photopolymerization Processes - Adhesives and
Desc: 882 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471941778
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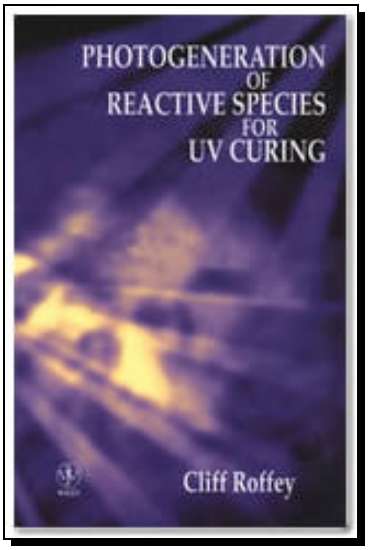
Edition:
Series:
Year: 1997
Price: $345.00



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612 .	Curing and Photopolymerization Processes

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Technological Aspects
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Reviews - Synopsis - Dust Jacket

UV curing systems and their formulatory components such as photoinitiators, liquid phase monomers, oligomers, prepolymers, etc. have grown remarkably over recent years, especially in the graphic arts, inks, and coatings industries.
Curing
provides an in-depth review of recent developments and literature in the field. Topics discussed include the theory of photocuring, photoactive compounds for the generation of reactive species, polymerization, resin systems, industrial applications, risks and toxicity, and more.From the Preface: “This is essentially a book about ultraviolet (UV)
curing, although related electro-magnetic radiations are described. It is a general work not specifically aimed at presenting new information but rather drawing together all the important aspects of radiation curing...[T]he importance of photocuring has arisen from existing and impending legislation curtailing the employment of solvents, its tendency to develop coating end-properties immediately and its energy economics. These factors position it in the same league as other `clean' technologies. There are two prime differences between radiation curing systems and conventional thermal curing systems. These are the absence of solvents in the former and the polymerization mechanism of the formulation components...”Target Audience: Both experienced and novice researchers and technologists concerned with radiation curing, as well as upper-level students of the field.

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Title	Location	Edition / Series / Misc.

1356 **Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)**

Author: J.P. Fouassier
Publish.: Rapra
- place:
- date: 1997
Subject: Curing and Photopolymerization Processes - Inks and Coatings -
Desc: 156 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859571301
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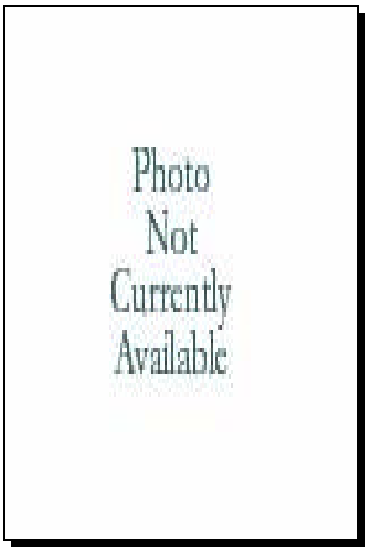
Edition:
Series:
Year: 1997
Price: $105.00



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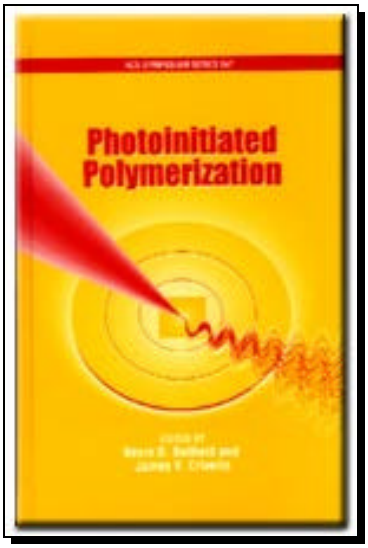
Title	Location	Edition / Series / Misc.

1513 **Photoinitiated Polymerization (ACS Symposium Series 847)**

Author: Kevin D. Belfield and James V. Crivello, eds.
Publish.: American Chemical Society
- place:
- date: 2003
Subject: Curing and Photopolymerization Processes - Polymer Science
Desc: 580 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841238138
Shelf

Edition:
Series:
Year: 2003
Price: $133.50



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This volume consists of 42 papers originally presented at the Advances in Photoinitiated Polymerizations August 2001 ACS Meeting in Chicago, IL. Free radical polymerizations command most of the interest and activity within the field, and are thus discussed first. The second section discusses kinetic studies of the mechanism of free radical polymerizations. The third covers cationic photopolymerizations, which, like free radical methods, are used in many industrial applications. The fourth section discusses recent novel developments, including new photobase generators, developments in monomers, oligomers, and templated polymerizations of liquid crystal polymers. The final section portrays new and emerging applications for photopolymerizations.From the Preface: “The field of photoinitiated polymerizations is one whose current and future importance can hardly be overstated. It is already a vital and exciting area of polymer chemistry both from an academic as well as an industrial perspective. Advances in this field are being driven by the rapid adoption of the technology of photoinitiated polymerizations, known generally as UV-curing, by industry for a myriad of uses. These uses encompass both high-volume applications such as coatings, adhesives, and printing inks as well as advanced high technology uses...”Target Audience: Chemists, materials scientists, and polymer engineers concerned with photoinitiated polymerization.Partial Table of Contents:
Free Radical Photopolymerization Chemistry:
N-Vinylamides and Reduction of Oxygen Inhibition in Photopolymerization of Simple Acrylate Formulations
Spectroscopic Investigation of Three-Component Initiator Systems
Photoinitiation of Acrylates via Sensitized Phthalimide Derivatives
Photoinitiated Polymerization of Selected Thiol-ene Systems
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Photoinitiated Cross-Linking Polymerization of Monomer Blends
Kinetics of Photopolymerization of Acrylate Coatings
Effect of Preorganization Due to Hydrogen Bonding on the Rate of Photoinitiated Acrylate Polymerization
Oxygen Inhibition Effect on Surface Properties of UV-Curable Acrylate Coatings
Oxygen and Radical Photopolymerization in FilmsCationic Photopolymerization:
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Visible and Long-Wavelength Cationic Photopolymerization
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Synthesis and Photochemical Reaction of High-Performance UV-Curing Oligomers

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Photocurable, Hydrophobic Oligomers Based on Liquid Polybutadienes
UV-Curable Acrylated Oligomers: Effect of Sturctural Variations on Liquid and Cured Film Properties
Continuous Photopolymerization in a Novel Thin Film Spinning Disc ReactorNew and Emerging Applications for Photoinitiating Polymerizations:Two-Photon Photoinitiated Polymerizatio
UV-Curing of Fluorinated Systems: Synthesis and Properties
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Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications

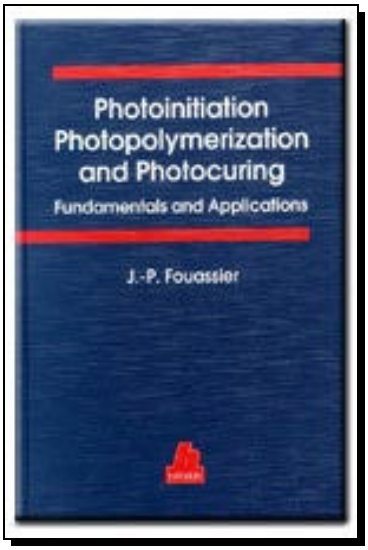
Title	Location	Edition / Series / Misc.

1285 **Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications**

Author: Jean-Pierre Fouassier
Publish.: Hanser Gardner
- place:
- date: 1995
Subject: Curing and Photopolymerization Processes - Coating Processes -
Desc: 388 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569901465
Shelf

Edition:
Series:
Year: 1995
Price: $138.50



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Reviews - Synopsis - Dust Jacket

Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications
review of the photopolymerization reactions employed in UV curing. It treats the subject in terms of the basic underlying concepts used to explain and understand the various aspects of a photopolymerization reaction, and of the current and potential applications of photocuring, including coatings, paints, adhesives, graphic arts, microelectronics, optics, medicine, stereolithography, laser writing, and more.From the Preface: "...The design of new reactive mon and oligomers, waterborne formulations, improved photoinitiators and more efficient photosensitizers will presumably accompany market growth. The pressure for the development of green technologies — such as UV curing — will probably induce new efforts and new applications. Emerging high tech applications using lasers are also expected to become increasingly important...This monograph is the first one on the subject and should be of use to students and people involved in industry, research and development centers, and universities..."Target Audience: A valuable text and reference tool for seasoned practitioners, as well as those new to the photocuring field.

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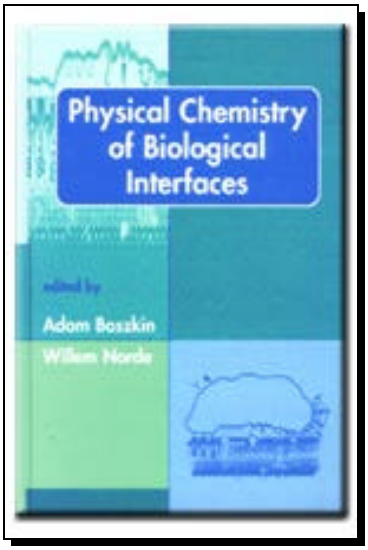
Title	Location	Edition / Series / Misc.

1263 **Physical Chemistry of Biological Interfaces**

Author: Adam Baszkin and Willem Norde, eds.
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Biopolymers and Medical Applications - Colloids and Emulsions -
Desc: 846 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824775813
Shelf

Edition:
Series:
Year: 2000
Price: $213.50



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Self-Assemblies of Biomembrane Mimics
Biosimulation with Liposomes and Lipid Monolayers
Enzymatic Reactions at Interfaces: Interfacial and Temporal Organization of Enzymatic Lipolysis
Mimicking Physics of Cell Adhesion
Physicochemistry of Microbial Adhesion from an Overall Approach to the Limits
Cell—Cell Interactions
Axisymmetric Drop Shape Analysis
Brewster Angle Microscopy
Ellipsometry
The Application of Neutron and X-Ray Specular Reflection to Proteins at Interfaces
Time-Resolved Fluorescence Techniques Applied to Biological Interfaces
Circular Dichroism of Proteins in Solution and at Interfaces
Infrared Spectroscopy of Biophysical Monomolecular Films at Interfaces: Theory and Applications
Fluorescence Microscopy for Studying Biological Model Systems: Phospholipid Monolayers and Chiral Discrimination Effects
Scanning Force Microscopy in Biology
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Reviews - Synopsis - Dust Jacket

This exhaustive reference introduces the most important fundamental concepts of physicochemical interface science and describes experimental techniques and applications of surface science in relation to biological systems. It explores artificial assemblies of lipids, proteins, and polysaccharides that perform novel functions that living systems cannot duplicate. Among countless other topics, there is coverage of cell—cell and cell—solids adhesion, electrical properties of interfaces, the chemical and physical properties of liposomes and biomembranes, and axisymmetric drop shape analysis.From the Preface: "...The characterization of biological interfaces often requires modeling of interfacial phenomena encountered in [biological] systems by the concepts of surface science in order to analyze them in terms of basic molecular features. Major research interests center on extensive studies of adsorption phenomena that are analogous to biological situations. They are focused on the concepts of forces operating across interfaces, of electrical double layers at charged interfaces, and of the structure of water adjacent to (bio)interfaces. The

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adsorption or adhesion to the surface of a biocomponent more often than not triggers a change in its physicochemical properties which, in turn, affects its biological functioning. Hence, the presence of interfaces plays a crucial role in biomedicine, food processing, environmental sciences, and various other bio-technological applications..."Target Audience: Physical chemists, food scientists, a biologists from academia and industrial communities, as well as graduate students interested in pursuing the relationships of physical chemistry and biological interfaces.

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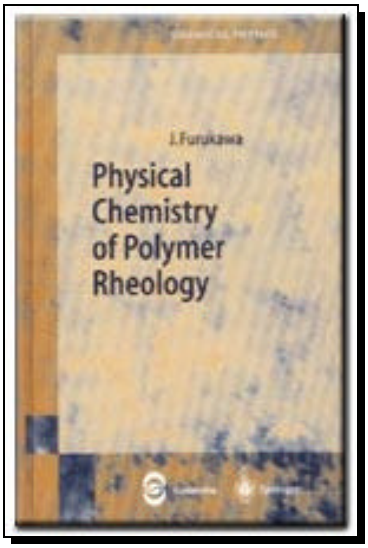
Title	Location	Edition / Series / Misc.

1517 **Physical Chemistry of Polymer Rheology**

Author: Junji Furukawa
Publish.: Springer
- place:
- date: 2003
Subject: Polymer Science - Recommend this Site
Desc: 294 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 3540000534
Shelf

Edition:
Series:
Year: 2003
Price: $86.50



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Elementary Rheology of Polymers:
Characteristic Features of Polymers
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Transition Temperatures
Mechano- and Hydrodynamics
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Strength of Plastics and Fibers
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Pseudo Crosslink Model — A New Thermodynamics and Kinetics of Chain Molecules
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Reviews - Synopsis - Dust Jacket

In this monograph the field of polymer rheology is explained with an emphasis on the introduction of chemical theory. The first section provides basic information on rheology for nonspecialists, including clear explanations of the various rheological phenomena; the second section expands on this base, delving more deeply into theoretical underpinnings. The author has developed a new theory of thermodynamics and kinetics using a model of multi-size pseudo crosslinks that provides a comprehensive principle to show how links in chain molecules affect the melting temperatures and determine polymer properties such as viscoelasticity, melt viscosity and elastic and plastic behavior of bulk polymers. The theory can be extended to include the strength of rubber and plastics, active fillers, and adhesion, friction and abrasion.From the Preface: "...Rheological properties have been investigat many scientists and technologists, and a tremendous amount of knowledge has been accumulated. There are many rules found empirically, but their

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theoretical meanings are not always sufficient and the basic principles governing various rules are rather few. Indeed, viscoelasticity is the most characteristic property of polymeric materials and it changes in wide ranges of temperature and deformation rate. It has been explained by a number of theories using various models but no comprehensive principle has so far been presented..."Target Audience: Polymer and materials scientists and technologists interested in polymer rheology and its relationship to material properties; also, upper-level students in these disciplines.

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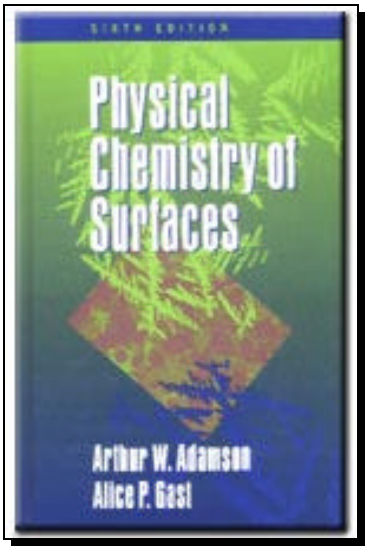
Title	Location	Edition / Series / Misc.

1002 **Physical Chemistry of Surfaces, 6th Ed.**

Author: Arthur W. Adamson and Alice P. Gast
Publish.: Wiley - Interscience
- place:
- date: 1997
Subject: Interfacial Engineering and Surface Science - Polymer Surface
Desc: 808 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471148733
Shelf

Edition:
Series:
Year: 1997
Price: $91.50



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The Solid—Liquid Interface: Contact Angle
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Friction, Lubrication, and Adhesion
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Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
602 .	Polymer Surface Modification

Reviews - Synopsis - Dust Jacket

This classic volume deserves a place on every surface chemist's desk. Bridging the methodologies of "wet" and "dry" surface chemistry to present the topic as a single broad field, it begins with the basic physical chemistry of liquid—gas and liquid—solid interfaces; this is followed by treatments of topics such as friction, lubrication, emulsion, foams, and aerosols. The final chapters present a quantitative approach to physical and chemical adsorption of vapors and gases, as well as heterogeneous catalysis.The broadly cited in both research and review papers. It covers all aspects of surface chemistry and some colloid chemistry from the perspective of the physical chemist. This revised and updated edition offers expanded treatment of films at interfaces; techniques for tunneling and atomic force scanning microscopes; in-depth coverage of heterogeneous catalysis, including the case of CO on metals; increased emphasis on the flexible surface and restructuring of surfaces during adsorption; and a new chapter on macromolecular films.From the Preface: "...Surface chemistry is a broad subject, and it is hoped that even those established in some particular aspect will find the many references to contemporary work helpful in areas not in their immediate expertise. The subject is also a massively developing one, and many scientists whose basic experience has been in spectroscopy, photochemistry, biomimicking systems, engineering, and so on, have found themselves drawn into surface chemical extensions of their work. The book should serve the dual purpose of providing a fairly detailed survey of basic surface chemistry and an entree into contemporary, important work on each aspect..."Target Audience: Upper-level undergraduates and graduate students, as well as professional chemists and technologists concerned with surface chemistry.

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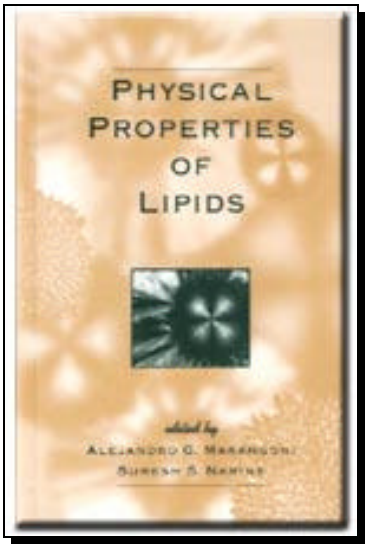
Title	Location	Edition / Series / Misc.

1453 **Physical Properties of Lipids**

Author: Alejandro Marangoni and Suresh Narine, eds.
Publish.: Marcel Dekker
- place:
- date: 2002
Subject: Colloids and Emulsions - Recommend this Site
Desc: 600 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824700058
Shelf

Edition:
Series:
Year: 2002
Price: $161.50



Subjects

621 .	Colloids and Emulsions
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This reference/text provides in-depth coverage of the physical properties of fats and oils, including surface and rheological characteristics as well as crystallization and phase behavior for improved nutrition and functionality in the design of new food products.
Physical Properties of Lipids
crystallization behavior, structure, and mechanical properties of lipid networks; offers recent techniques to formulate emulsifiers in low-fat spreads; includes a broad overview of the texture of fats; highlights the use of fat crystals in the stabilization of emulsions; and more.From the Preface: “In many ways, the development c comprehensive
understanding of the relationships among molecular compositions, processing conditions, structural levels, and final physical macroscopic functionality of lipid systems is still a work in progress...However, the pursuit of such a theoretical framework not only is of immense academic importance but is paramount in the industrial applications of lipid systems. Among the widely varying industrial uses to which lipids are put are their uses in food systems. This book therefore attempts to provide an update on the advances in the theoretical understanding of such relationships in food lipids...”Target Audience: Food, flavor, enzyme, and lipid scientists and technologists; physical, surface, and colloid chemists; biochemists; microbiologists; toxicologists; and upper-level students in these disciplines.

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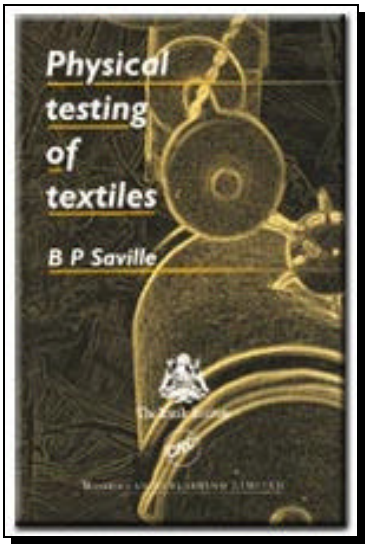
Title	Location	Edition / Series / Misc.

1161 **Physical Testing of Textiles**

Author: B.P. Saville
Publish.: Woodhead
- place:
- date: 1999
Subject: Textiles and Nonwovens - OA/OC. Statistics. and Testing
Desc: 326 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 849305683
Shelf

Edition:
Series:
Year: 1999
Price: $151.50



Subjects

607 .	QA/QC, Statistics, and Testing
631 .	Textiles and Nonwovens

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Reviews - Synopsis - Dust Jacket

This comprehensive guide covers the physical testing of textiles in the form of fiber, yarn, and fabric, based mainly on British and American standard test methods. Topics include sampling, measurement errors, yarn linear density, twist, evenness, hairiness, tensile strength, tear strength, wear comfort, thermal and moisture properties, and more.From the Preface: "...Because modern industry produces goods, be they garments, fabrics, yarns or fibres, to specifications, the emphasis throughout this book is on standard and reproducible tests. The reason for this is that in order to specify a property it is also necessary at the same time to specify the method of test. Many of the tests carried out on textile materials are intended to measure the same property but because of their different approach or the type of equipment used can give different results..."Target Audience: Quality assurance and product development professionals in the textiles industry, as well as students of textile science and technology.

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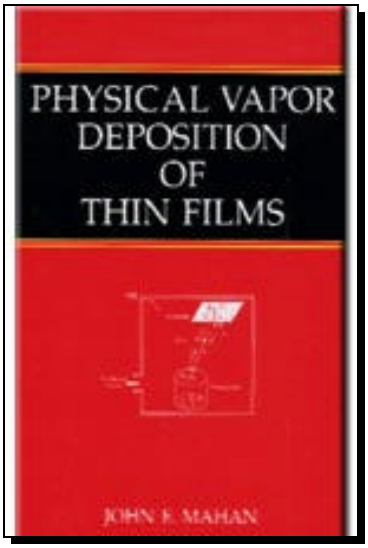
Title	Location	Edition / Series / Misc.

1417 **Physical Vapor Deposition of Thin Films**

Author: John E. Mahan
Publish.: Wiley - Interscience
- place:
- date: 2000
Subject: Coating Processes - Materials Science
Desc: 326 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471330019
Shelf

Edition:
Series:
Year: 2000
Price: $91.50



Subjects

235 .	Coating processes
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

With electronic, optical, and magnetic coating technologies assuming ever-increasing importance in the high-tech industries, there is a growing need for expertise in physical vapor deposition of thin films. This important work provides researchers and engineers in this field with the information they need to tackle thin film processes in the real world.Physical Vapor Deposition of Thin Films treatment of the theories, data, and technologies which are critical to this field. It incorporates important results from across the literature, imparting a working knowledge of a variety of currently employed and emerging techniques. Specific topics include thermal evaporation, sputtering, and pulsed laser deposition methods; trends in sputter yield data and a new simplified collisional model of sputter yield for pure element targets; quantitative models for film deposition rate, thickness profiles, and thermalization of the sputtered beam; and more.From the Preface: "...This book is more a reference th text, although there are worked examples that, I hope, make it clear exactly how to calculate things. In most of my treatments of technical subjects, I start with basic experimental data or theories (usually of a classic stature), discuss underlying mechanisms and processes, and finally give the reader the ability to quantitatively model the practical applications..."Target Audience: Manufacturing, design, process, chemical, mechanical, and materials engineers; students of thin film deposition; and other readers concerned with physical vapor deposition.

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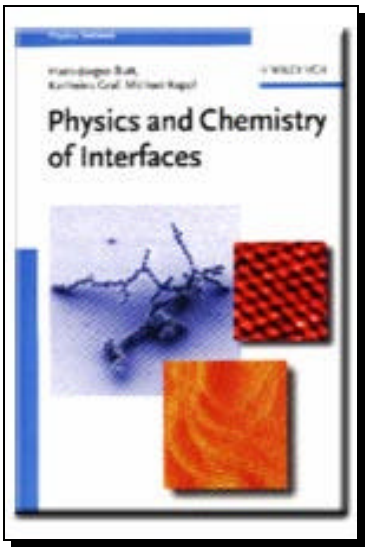
Title	Location	Edition / Series / Misc.

1537 **Physics and Chemistry of Interfaces**

Author: Hans-Jurgen Butt, Karlheinz Graf, and Michael Kappl
Publish.: Wiley - VCH
- place:
- date: 2003
Subject: Interfacial Engineering and Surface Science - Surface
Desc: 372 p, 6.5 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 3527404139
Shelf

Edition:
Series:
Year: 2003
Price: $48.50



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis

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Effects at Charged Interfaces
Surface Forces
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Friction, Lubrication, and Wear
Surfactants, Micelles, Emulsions, and Foams
Thin Films on Surfaces of Liquids
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Appendix B: Symbols and Abbreviations
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Reviews - Synopsis - Dust Jacket

Serving as a general introduction to surface and interface science, this book focuses on basic concepts rather than specific details; on intuitive understanding of interfacial systems and phenomena rather than learning facts. The text reflects the diverse and interdisciplinary nature of surface science, integrating basic chemistry and physics with engineering and technological applications — the discussion includes fundamentals such as thermodynamics of interfaces as well as applied topics such as wetting, friction, and lubrication. The most important techniques and methods are introduced, allowing readers to apply simple models to their own scientific problems.From the Preface: “Interface science has changed significantly during the last 10-15 years. This is partially due to scientific breakthroughs. For example, the invention of scanning probe microscopy and refined diffraction methods allow us to look at interfaces under `wet' conditions with an unprecedented accuracy. This change is also due to the greatly increased community of interfacial scientists...Traditionally, the community tended to be split into `dry' surface scientists (mainly physicists working under ultrahigh vacuum conditions) and `wet' surface scientists (mainly colloid chemists). In addition, engineers dealing with applications like coatings, adhesion, or lubrication, formed a third community. This differentiation is significantly less pronounced and interface science has become a really interdisciplinary field of research...”Target Audience: Upper-level students of chemistry, physics, chemical and biomedical engineering, and materials science, as well as researchers new to surface and interface science.

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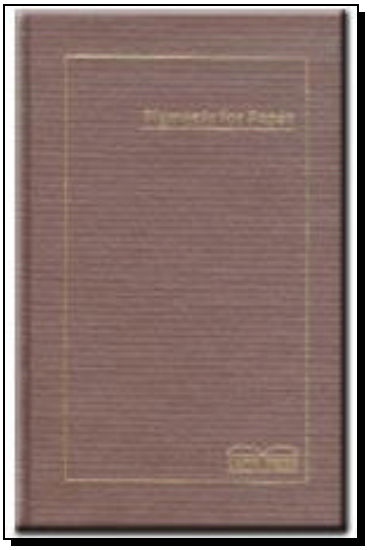
Title	Location	Edition / Series / Misc.

1078 **Pigments for Paper**

Author: Robert W. Hagemeyer, ed.
Publish.: TAPPI Press
- place:
- date: 1997
Subject: Pigments, Dyes, and Colorants - Coating Processes - Color Theory
Desc: 271 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 898520649
Shelf

Edition:
Series:
Year: 1997
Price: $116.50



Subjects

235 .	Coating processes
618 .	Color Theory, Testing, and Analysis
626 .	Pigments, Dyes, and Colorants

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Synthetic Plastic Pigments
Talcs
Alumina Trihydrate
High-Structure Amorphous Silica Pigments in Paper
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Reviews - Synopsis - Dust Jacket

This comprehensive revision of
published in 1984, emphasizes the basics of pigment technology and how differences in pigment type and morphology can be exploited to achieve the desired paper properties. It covers all aspects of the field, providing current information on different ingredients, with descriptions of what they do and how they perform. A valuable reference tool.From the Preface: “ provide, in one volume, basic information on paper pigments, per se, as well as performance data on all applications for pigments in paper products. Previous texts have been more performance oriented focusing on the use of pigments either in paper coating or paper filling. It is hoped that the increased emphasis on pigment technology in this text will enable the reader to better understand the intrinsic properties of these materials and, in turn, their potential for use in new applications. The information presented is basic in nature...The book can serve as an introductory text as well as a practical reference...”Target Audience: Anyone in industry or academia, including undergraduate and graduate students, who is interested in the use of pigments in paper.

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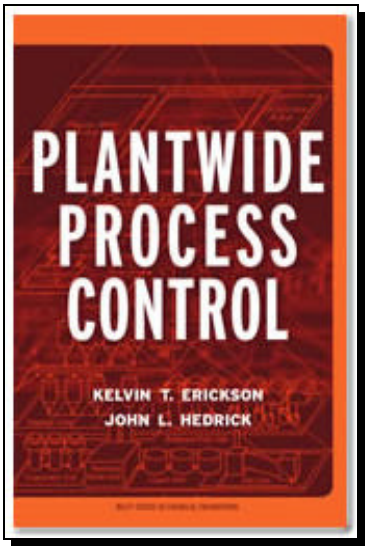
Title	Location	Edition / Series / Misc.
1233 **Plantwide Process Control**		*Edition:*
Author: Kelvin T. Erickson and John L. Hedrick	*Dynix:*	*Series:*
Publish.: Wiley - Interscience	*Call No.:*	
- place:	*ISBN:* 471178357	
- date: 1999	*Shelf*	*Year:* 1999
Subject: General Reference - Paper and Paperboard - QA/QC. Statistics. and		*Price:* $98.50
Desc: 560 p, 7 x 10 Hardcover		



Subjects

604 .	General Reference
607 .	QA/QC, Statistics, and Testing
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Reviews - Synopsis - Dust Jacket

This book presents a complete methodology of control system design for continuous and batch manufacturing in such diverse areas as pulp and paper, petrochemical, chemical, food, pharmaceutical, and biochemical production. Geared to practicing engineers faced with designing increasingly more sophisticated control systems in response to economic and regulatory pressures, engineering portion of a plant automation improvement project. It features a full control design information package (Control Requirements Definition, or CRD), and guides the reader through all steps of the automation process — from the initial concept to design, simulation, testing, implementation, and operation. The methodolgy is illustrated with a detailed pulp and paper mill case study.From the Preface: "...This book blends process control, batch control, and discrete control techniques into the overall control problem solution. The design process is presented for all plant control system levels: from the site level down to the device level. This book takes a practical approach to the design of plantwide control systems and presents many examples. Theory is used to back up the process control design techniques, but the emphasis is on the practical implementation of the design techniques..."Target Audience: Chemical, electrical, process, and manufacturing engineers and managers, as well as upper-level students of industrial technology.

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Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)

Title	Location	Edition / Series / Misc.

1177 **Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)**

Author:
Publish.: Kluwer Academic
- place:
- date: 1997
Subject: Polymer Surface Modification - Biopolymers and Medical
Desc: 542 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 792348591
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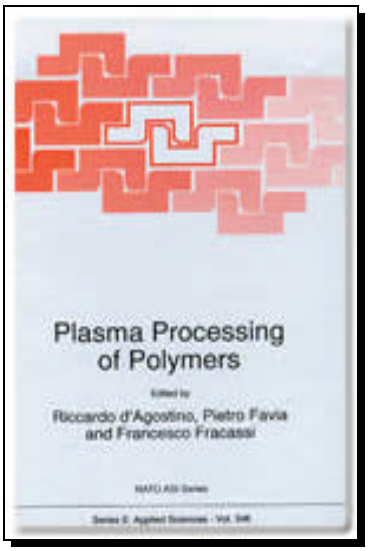
Edition:
Series:
Year: 1997
Price: $343.50



Subjects

600 .	Interfacial Engineering and Surface Science
602 .	Polymer Surface Modification
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

This tutorial book on plasma treatment and the deposition of polymers discusses the bases of polymerization; the diagnostic procedures and techniques for both gas phase and surfaces; process control methods; ageing and surface dynamics; industrial applications such as plastic coatings, food packaging, optical coatings, paper and web treatments, corrosion protection, treatments for prosthesis, grafts, and biomaterials; and more. The diversity of authors — drawn from academia, industry, and national research institutions — strikes a balance between industrial applications and economic issues, the fundamental bases of plasma physics and chemistry, diagnostic and control techniques, and reactor architecture.From the Preface: “Cold-plasma modification of polymers and deposition of thin polymer films is a branch of science characterised by an increasing popularity in the last few years for the large number of new industrial processes which have been realised by its application. Most plasma scientists can attest this through their everyday experience...The unique common need of this variety of applications is that the products feature `surfaces' with tailored and unusual properties, which enable their use where otherwise would be impossible to conventional materials...”Target Audience: A wide array of upper-level undergraduate and graduate students; research scientists; industrial technologists; and managers wishing to gain a deeper knowledge of the field.Brief Table of Contents:Fundamentals and Gas Phase Diagnostics
Surface Dynamics and Treatments
Surface Diagnostics
Tribology and Transport Properties
Materials and Applications
Biomaterials
Industrial Viewpoint and Economic Issues
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Title	Location	Edition / Series / Misc.

1019 **Plasma Surface Modification and Plasma Polymerization**

Author: N. Inagaki
Publish.: Technomic
- place:
- date: 1996
Subject: Polymer Surface Modification - Polymer Surface Chemistry
Desc: 276 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1566763371
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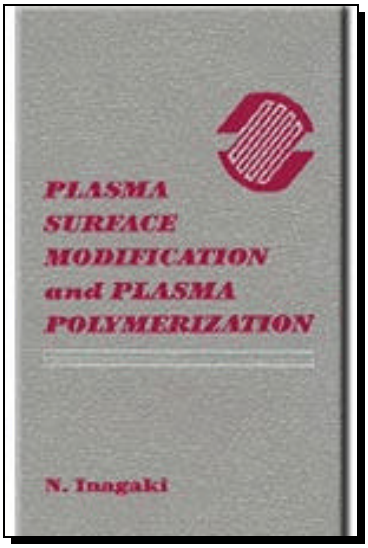
Edition:
Series:
Year: 1996
Price: $103.50



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601 .	Polymer Surface Chemistry
602 .	Polymer Surface Modification

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Reviews - Synopsis - Dust Jacket

In current materials research and development, high priority is given to surface modification techniques to achieve improved surface properties for specific applications requirements. Plasma treatment and polymerization are important technologies which can be custom engineered for this purpose.Plasma Surface Modification and Plasma Polymerization basic and thorough understanding of this subject. One of the first and most comprehensive books to cover plasma treatment and polymerization for the purpose of surface modification, it presents a detailed discussion of recent developments in the field, including plasma/polymer interactions and the formation of polymer surface and thin polymeric films. It concentrates on plasma properties and the interactions between the plasma and the substrate.From the Introduction: "....The surface modification of polymer materials is a useful way to obtain functional polymers by controlling their surface properties. The surface modification technique is obligated to restrict the shallow depth of the modified layer from the surface. Ideally, the modified layer should be a monolayer of the polymer surface in molecular size, and the deeper layer (the bulk of the polymer materials) should never be modified. Generally, chemical reactions that involve the implantation of special elements (oxygen, nitrogen, fluorine atoms, etc.) or moieties (hydroxyl, carbonyl, carboxylate, etc.) and the grafting of special monomers are applied for the modification process..."Target Audience: Materials and polymer scientists and technologists;
graduate students and faculty; and medical and automotive parts designers.

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Title	Location	Edition / Series / Misc.

1397 **Plasma Surface Modification of Polymers: Relevance to Adhesion**

Author: M. Strobel, C.S. Lyons, and K.L. Mittal, eds.
Publish.: VSP
- place:
- date: 1994
Subject: Polymer Surface Modification - Adhesives and Adhesion - Plastic
Desc: 300 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067641642
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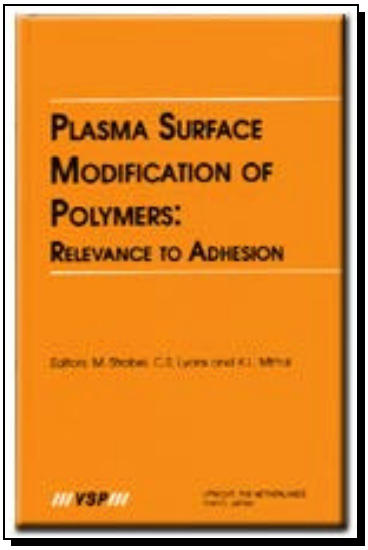
Edition:
Series:
Year: 1994
Price: $95.00



Subjects

301 .	Plastic films
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Oxygen RF Plasmas: Effect of Treatment Time and Functionalization, and
Comparison with HDPE
Plasma Surface Modification of Polyethylene: Short-Term vs. Long-Term
Plasma Treatment
Plasma Oxidation of Polystyrene vs. Polyethylene
Evolution of the Surface Composition and Topography of Prefluorinated
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Surface Fluorination of Polyethylene Films by Different Glow
Discharges: Effects of Frequency and Electrode Configuration
Reactivity of a Polypropylene Surface Modified in a Nitrogen PlasmaPractical Applications of Plasma-Treated Surfa
Chemical Reactions on Plasma-Treated Polyethylene Surfaces
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Biomaterial Surfaces Using an Argon Glow Discharge Treatment
Plasma Surface Treatment of Poly (p-phenylene Benzobistiozol) Fibers
CO
Bombardment on Metal Adhesion
Enhancement of the Sticking Coefficient of Mg on Polypropylene by in
situ ECR-RF Ar and N
Improved Adhesion Between Plasma-Treated Polyimide Film and Evaporated
Copper

Reviews - Synopsis - Dust Jacket

In contrast to plasma polymerization, plasma surface modification reactions do not cause thin-film deposition, and can therefore only modify the surface properties of organic substrates. Plasma surface treatment techniques offer fast, efficient methods for improving the adhesion properties and other surface characteristics of a variety of polymeric materials.This volume of papers from internationally recognized experts actively working in the field of plasma surface modification was originally published in special issues of the
Technology
treatment of polymers. The focus is on adhesion phenomena, surface properties, and surface characterization. The book opens with a critical review of the field.From the Preface: "...The focus of this book is the plasma or glow-discharge, which can be defined as a partially ionized gas normally generated by an electrical discharge at near-ambient temperatures and reduced pressures...[P]lasma surface modification...occurs by altering the chemistry of the outermost few molecular layers of the polymer. It is interesting to note that although studies of plasma polymerization have tended to dominate the scientific literature, plasma surface modification processes account for most of the commercial use of plasma technology..."Target Audience: Academic and industr plasma researchers and
adhesion scientists concerned with the methods, applications, and effects of plasma surface modification of polymers.

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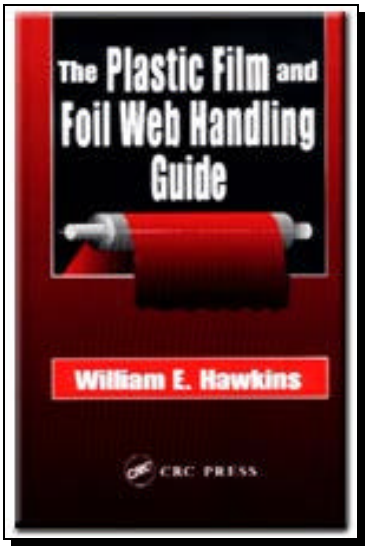
Title	Location	Edition / Series / Misc.

1441 **Plastic Film and Foil Web Handling Guide**

Author: William E. Hawkins
Publish.: CRC Press
- place:
- date: 2003
Subject: Converting Technology - Extrusion - Packaging Technology - Plasti
Desc: 192 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1587161524
Shelf

Edition:
Series:
Year: 2003
Price: $88.50



Subjects

598 .	Extrusion
620 .	Converting Technology
629 .	Packaging Technology

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Reviews - Synopsis - Dust Jacket

This handbook for diagnosing and correcting web handling problems is written to assist anyone who works with webs, eiher directly or indirectly. Covering web handling fundamentals, process related technologies, and troubleshooting and solutions,
Foil Web Handling Guide
identify and correct defects in film or foil rolls. This independent and unbiased view of the subject — which is often addressed in commercial product literature — should enjoy wide appeal. The book condenses the author's 35 years of web handling expertise into one clear and readable resource. Recommended.From the Preface: “A new way of analyzing web-handling problems is presented with the introduction of imaginary resistive tension member concepts. Guidelines are presented for roller alignment in machines, tensioning of webs, use of web spreading and guiding devices, use of razor slitters, shear knife slitters and edge trim removal. Guidelines are also presented for trim disposal and waste storage equipment. Management of electrostatic charges on webs is discussed. Winding technology is presented that addresses gage variation issues, core and mandrels, vibration, speed issues, web thickness issues, web strength issues, winding tension profile issues and lay-on roller issues...”Target Audience: Plant managers and production supervis process, manufacturing, and quality engineers and technicians; packaging engineers; and others concerned with the handling of film and foil webs.

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Plastic Films: Technology and Packaging Applications

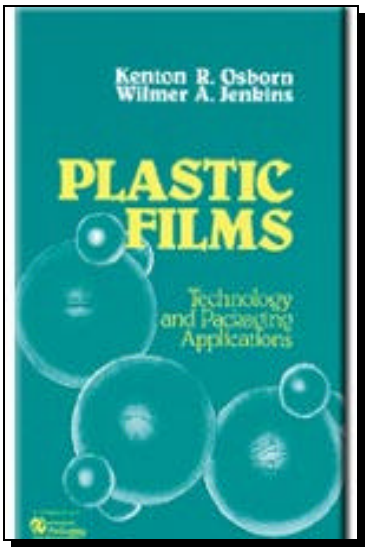
Title	Location	Edition / Series / Misc.

1000 **Plastic Films: Technology and Packaging Applications**

Author: Kenton R. Osborne and Wilmer A. Jenkins
Publish.: Technomic
- place:
- date: 1992
Subject: Plastic Films - Converting Technology - Extrusion - Packaging
Desc: 258 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 877628432
Shelf

Edition:
Series:
Year: 1992
Price: $71.50



Subjects

301 .	Plastic films
598 .	Extrusion
620 .	Converting Technology

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Package Functions and Requirements
Packaging Machinery
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Reviews - Synopsis - Dust Jacket

This book is a comprehensive illustrated guide and reference to plastic packaging films. All significant aspects of plastic films for packaging are clearly and concisely presented: from materials, processes and machinery to applications and regulatory, social and economic considerations.From the Preface: "...This book presents a comprehensive description of plastic films and their use in packaging. The reader will find a heavy emphasis not only on 'what' and 'how' but also on 'why'...A thorough understanding of the material in this volume, particularly the technology presented in the first three chapters, requires that the reader be generally familiar with the elements of chemistry and physics presented in introductory college courses in those subjects. Additional technical terms have been defined as they appear..."Target Audience: Users of packaging films; quality, process control, manufacturing, and marketing personnel employed by packaging film producers and converters; package designers; and students in these disciplines.

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Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, and Legislation

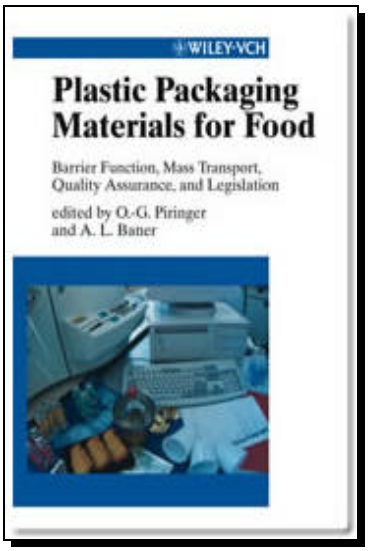
Title	Location	Edition / Series / Misc.

1283 **Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, a**

Author: O.-G. Piringer and A.L. Baner, eds.
Publish.: Wiley - VCH
- place:
- date: 2000
Subject: Packaging Technology - Packaging Conformance and Specifications
Desc: 610 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527288686
Shelf

Edition:
Series:
Year: 2000
Price: $246.50



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Migration from Food Packaging: Regulatory Considerations for Estimating Exposure
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610 .	Polymer Science
629 .	Packaging Technology
630 .	Packaging Conformance and Specifications

Reviews - Synopsis - Dust Jacket

Plastics have developed into the most important class of packaging materials. Their relative impermeability has great influence on the shelf life and the quality of the packaged goods. At the same time the interaction between the contents and the various components of the packaging plays a decisive role. Food is the most important application for plastic packaging. It can be considered the “model substance” and the findings can be applied to many other products and systems. The main rules and regulations for food packaging in the European Community and the United States are presented in this book. Furthermore, the authors emphasize the testing methods for proving the mass transport and the sensory check of the quality of the products.Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, and Legislation search for the optimal plastic packaging. It facilitates the estimation of the influence on the goods which come from the surroundings and from the packaging. The authors do not restrict themselves only to the description of the phenomena of diffusion or transport in theory, but they show what they mean for practical applications.From the Preface: “...The motiviation for this book comes mainly from a desire to collect together in one place the current state of knowledge on interactions between polymeric materials and foods in package systems and then assemble this knowledge into a systematic approach that will allow estimation of the extent of these interactions. The end result, it is hoped, will be a practical guide to approximating and measuring the extent of interactions between polymers and foods...”Target Audience: Food scientists, packaging technologists, plastic packaging material developers and marketers, and any other reader interested in the interactions among food, packaging, and the environment.

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Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)

Title	Location	Edition / Series / Misc.

1056 **Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)**

Author: A.S. Wilson
Publish.: Rapra
- place:
- date: 1995
Subject: Additives - Health. Safetv. and the Environment - Polvmer Science
Desc: 108 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859570614
Shelf

Edition:
Series:
Year: 1995
Price: $121.50

Subjects

610 .	Polymer Science
611 .	Additives
623 .	Health, Safety, and the Environment

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PVC Plasticiser in Specific Applications
Plasticisers for Polymer Other Than PVC
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Reviews - Synopsis - Dust Jacket

The role of external plasticizers is to increase the softness, flexibility and distensibility of polymer systems, particularly PVC. Additional effects such as the reduction of melt viscosity may be of prime importance in some cases. This review report considers the whole subject of external plasticizers for polymers. It addresses function, mechanism, and performance criteria; the range of plasticizer types; specialized plasticizer requirements in selected PVC applications; the use of plasticizers in rubbers and other non-PVC polymers; and more. There is an emphasis on advances driven by environmental and health pressures.From the Introduction: "...The external plasticisation of polymers is a long established mature technology which continues to be used on a large scale because it is economical, versatile and convenient. Products based on externally plasticised materials find extensive and diverse applications, influencing many areas of modern life..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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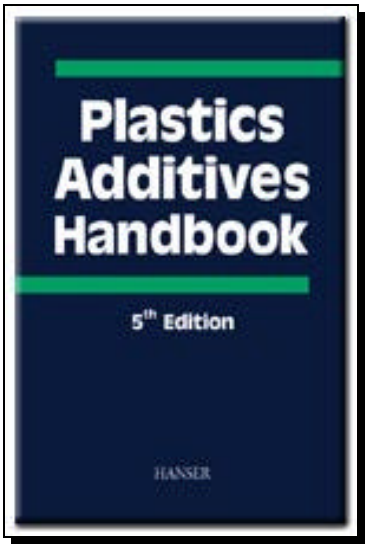
Title	Location	Edition / Series / Misc.
1016 **Plastics Additives Handbook, 5th Ed.**		*Edition:*
Author: Hans Zweifel, ed.	*Dynix:*	*Series:*
Publish.: Hanser Gardner	*Call No.:*	
- place:	*ISBN:* 156990295	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Additives - Polymer Science		*Price:* $115.00
Desc: 1184 p, 5.7 x 8.2 Hardcover		



Subjects

610 .	Polymer Science
611 .	Additives

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Flame Retardants
Chemical Blowing Agents
Crosslinking and Controlled Degradation of Polyolefins
Colorants
Fluorescent Whitening Agents
Fillers and Reinforcements/Coupling Agents
Nucleating Agents for Semi-Crystalline Polymers
Additives for Mechanical Recycling of Plastics
The Physical Behavior of Polymer Additives
Analytics
Aspects of Plastic Additives Related to Health, Safety and Environment
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Reviews - Synopsis - Dust Jacket

Plastics without additives are not viable. Additives are essential to make plastics processable and to ensure their end-use properties. Since the previous edition of the demands on additives have continued to evolve and grow in complexity. This is due in part to changes in processing conditions and production techniques; additionally, as plastics find uses in more and more demanding applications, the properties that additives impart become more critical.Long established as the “bible” for anyone involved in the chemistry and technology of plastics additives, this extensively updated edition provides an excellent overview of the field. It will serve as a valuable desk reference for years to come. A detailed table of contents and index make finding the information you need a simple task, even in this comprehensive volume.From the Preface: “...Thermoplastic materials are processed in the melt at high temperatures and under high shear. During their service life the final products have to survive severe exposure to conditions such as heat, light and humidity, without changes in appearance or premature mechanical failure, in some cases for several decades. Without suitable additives, e.g., processing and heat stabilizers, processing aids, nucleating agents, antioxidants and light stabilizers, none of these developments would be possible...”Target Audience: All professionals — and students — concerned with the development of new thermoplastic resin grades and novel end-use applications.

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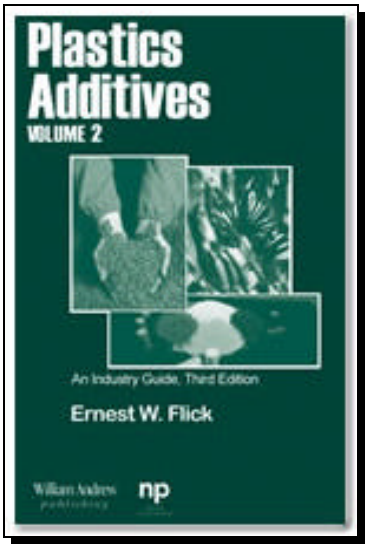
Title	Location	Edition / Series / Misc.

1327 **Plastics Additives, 3rd Ed. [Vol 2: An Industry Guide]**

Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 2001
Subject: Additives - Recommend this Site
Desc: 270 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514727
Shelf

Edition:
Series:
Year: 2001
Price: $71.50



Subjects

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Pigments, Colorants, and Dyes
Plasticizers and Esters
Processing Aids
Release Agents
Silanes, Titanates and Zirconates
Slip and Anti-Blocking AgentsNote:
href="http://www.polysurfacesbookstore.com/pages/3556.html">Plastics Additives: An Industry Guide, Volumes 1
href="http://www.polysurfacesbookstore.com/pages/3558.html">3, 3rd Ed.

Reviews - Synopsis - Dust Jacket

This book, the second in a three volume set, contains over 1,300 plastics additives formulations based on information received from industrial companies and other organizations. The additives included in all three volumes are currently available, trademarked raw materials. There is absolutely no repetition between volumes, each of which also includes suggested formulations, formula source (manufacturer/distributor), and supplier addresses.From the Preface: "...Plastics additives, a complex and growing of minerals and chemical derivatives, account for 15 to 20% by weight of the total volume of plastic products marketed. They are produced by a large number of companies for a wide variety of customers and needs. Growth of the use of these additives, which impart one or more desirable properties to resins, is relatively strong, about 3.5 to 4% per year. Environmental constraints, however, have imposed rigorous performance requirements on many products, thus placing added expenses on the development costs of these materials..."Target Audience: Chemists and chemical technicians in the plastics products industry with responsibilities for developing and/or mixing chemical product formulas; also end-users of engineering plastics, plastics product designers, research laboratories, and libraries.

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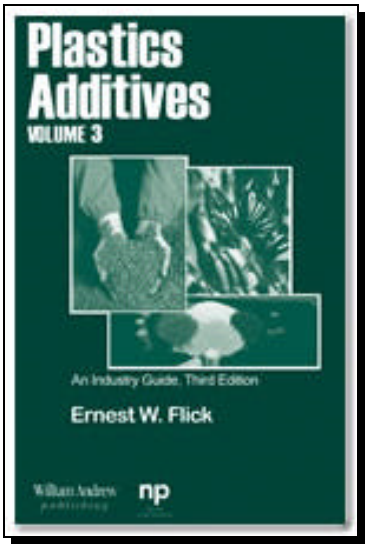
Title	Location	Edition / Series / Misc.

1328 **Plastics Additives, 3rd Ed. [Vol 3: An Industry Guide]**

Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 2001
Subject: Additives - Recommend this Site
Desc: 160 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514700
Shelf

Edition:
Series:
Year: 2001
Price: $68.50



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611 .	Additives
715 .	Recommend this Site

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href="http://www.polysurfacesbookstore.com/pages/3556.html">Plastics Additives: An Industry Guide, Volumes 1
href="http://www.polysurfacesbookstore.com/pages/3558.html">2, 3rd Ed.

Reviews - Synopsis - Dust Jacket

This book, the third in a three volume set, contains over 1,300 plastics additives formulations based on information received from industrial companies and other organizations. The additives included in all three volumes are currently available, trademarked raw materials. There is absolutely no repetition between volumes, each of which also includes suggested formulations, formula source (manufacturer/distributor), and supplier addresses.From the Preface: "...Plastics additives, a complex and growing of minerals and chemical derivatives, account for 15 to 20% by weight of the total volume of plastic products marketed. They are produced by a large number of companies for a wide variety of customers and needs. Growth of the use of these additives, which impart one or more desirable properties to resins, is relatively strong, about 3.5 to 4% per year. Environmental constraints, however, have imposed rigorous performance requirements on many products, thus placing added expenses on the development costs of these materials..."Target Audience: Chemists and chemical technicians in the plastics products industry with responsibilities for developing and/or mixing chemical product formulas; also end-users of engineering plastics, plastics product designers, research laboratories, and libraries.

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Title	Location	Edition / Series / Misc.

1176 **Plastics Additives: An A - Z Reference**

Author: Geoffrey Pritchard, ed.
Publish.: Chapman & Hall
- place:
- date: 1998
Subject: Additives - Health. Safetv. and the Environment - Polvmer Science
Desc: 656 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 41272720
Shelf

Edition:
Series:
Year: 1998
Price: $213.50

Subjects

610 .	Polymer Science
611 .	Additives
623 .	Health, Safety, and the Environment

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Reviews - Synopsis - Dust Jacket

Thanks to the inclusion of additives, plastics can be used in a variety of areas competing directly with other materials, but there are still many challenges to overcome. Some additives are severely restricted by legislation, others interfere with each other — in short, their effectiveness varies with circumstances.Plastics Additives: An A - Z Reference using an alphabetical format which makes them easily accessible to readers, enabling them to readily find specific information on a specific topic. Each additive is the subject of one or more articles, providing a sufficient account of each topic. The articles cover novel additives such as scorch inhibitors, compatibilizers, and surface-modified particulates, as well as better established varieties such as antioxidants, biocides, nucleating agents, fillers, impact modifiers, and plasticizers.From the Preface: “Plastics without additives would be commercial failures. They would not be processable, or else they would not be marketable, or else they would not be durable, or else they would be too flammable. The growth in the worldwide plastics industry in recent years owes at least as much to developments in additive technology as it does to improvements in polymer science...”Target Audience: A handy reference for upper-level students, researchers, industrial technologists, sales and marketing personnel, managers and executives — in fact, for anyone concerned with plastics and additives.

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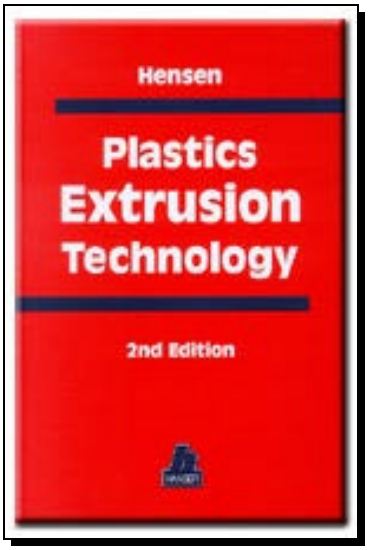
Title	Location	Edition / Series / Misc.

1077 **Plastics Extrusion Technology, 2nd Ed.**

Author: Friedhelm Hensen
Publish.: Hanser Gardner
- place:
- date: 1997
Subject: Extrusion - Coating Processes - Composites, Laminates, and Fibers
Desc: 674 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902259
Shelf

Edition:
Series:
Year: 1997
Price: $185.00



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Monofilament Extrusion
Extrusion Coating and Laminating
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Extrusion of Foamed Semifinished Products with Twin-Screw Extruders
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625 .	Composites, Laminates, and Fibers

Reviews - Synopsis - Dust Jacket

This revised edition offers state-of-the-art information on all processes and aspects of plastics extrusion technology. It provides broad and systematic information on the design, construction, and operation of extrusion lines, covering films, fibers, tapes, monofilaments, and profiles; compounding lines; extrusion coating and laminating; feeding of extruders; extrusion recycling of plastic waste; and more.From the Preface: “In this volume, 2nd Ed.
operation of plastics extrusion lines. The chapters of this book have been written by well-known experts in the various fields of plastics extrusion technology. As the aim was to treat the subject in as practice-oriented a way as possible, the choice of authors was not limited to polymer scientists: professionals with many years of experience and extensive knowledge in their own special fields, some of whom have contributed to the development of the systems dealt with in this book, were also invited to contribute...”Target Audience: Students and professional engineers and technologists concerned with polymer extrusion technology.

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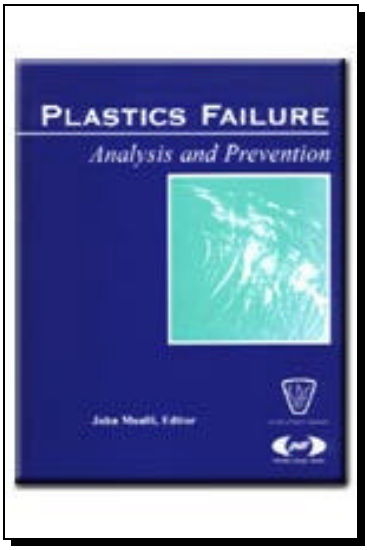
Plastics Failure Analysis and Prevention

LASCT Holdings - maximum detail by Title **P**

Title	Location	Edition / Series / Misc.
1325 **Plastics Failure Analysis and Prevention**		*Edition:*
Author: John Moalli, ed.	*Dynix:*	*Series:*
Publish.: Plastics Design Library	*Call No.:*	
- place:	*ISBN:* 1884207928	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Wear, Weathering, and Tribology - Plastics Processing Technology		*Price:* $118.50
Desc: 400 p, 7 x 8.5 Hardcover		



Subjects

607 .	QA/QC, Statistics, and Testing
614 .	Wear, Weathering, and Tribology
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This book presents a broad analysis of the reasons for plastics product failure. Understanding how to use the methods of failure analysis is critical to implementing product improvement.
and Prevention
practical risk analysis, failure mode and effect analysis, preliminary hazard analysis, progressive failure analysis, fault tree analysis, mean time between failures, Wohler curves, finite element analysis, cohesive zone model, crack propagation kinetics, time—temperature collectives, quantitative characterization of fatigue damage, and fracture maps.Additionally, various aspects of fractography of plastics and metals
are compared and contrasted. Other analytical methods addressed include SEM, SAXS, FTIR, DSC, DMA, GC/MS, optical microscopy, multiaxial stress, residual stress analysis, creep—rupture, craze testing, fracture toughness, and more. Specific design aids and case studies ensure that the reader understands practical applications of the analysis and prevention methods presented.From the Preface: "...Plastic product failures can be divided into three distinct arenas — improper design, improper manufacturing (including processing and assembly), and improper use of the end product. One way to reduce plastic product failures is to disseminate the knowledge, on a wide variety of topics, which has been accumulated by plastics researchers and practitioners. Such is the purpose of this book, and by sharing the work presented at a number of SPE ANTEC conferences, we hope to answer a wide range of questions that have arisen and anticipate those topics that may present themselves in the future..."Target Audience: Design engineers, mold designers, failure analysts, and other personnel involved in plastics design, development, and manufacturing.

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Plastics Packaging: Properties, Processing, Applications, and Regulations

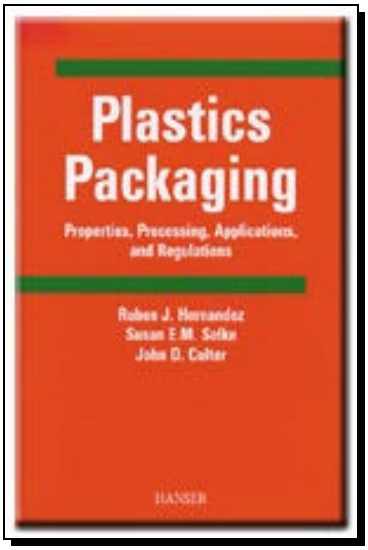
Title	Location	Edition / Series / Misc.

1284 **Plastics Packaging: Properties, Processing, Applications, and Regulations**

Author:
Publish.: Hanser Gardner
- place:
- date: 2000
Subject: Packaging Technology - Converting Technology - Extrusion -
Desc: 442 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569903034
Shelf

Edition:
Series:
Year: 2000
Price: $63.50



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629 .	Packaging Technology

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Injection Molding, Closures, Rotational Molding, Compression Molding, and Tubes
Blow Molding and Bottles
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Reviews - Synopsis - Dust Jacket

This book is intended to provide a basic understanding of plastic packaging materials. It contains a broad-based discussion, beginning with the definition and common properties as a group, and continues with a detailed description of the significant properties of the major packaging plastics and of specialty polymers important in packaging. Common processing methods for transforming plastic resins into packages are covered.
Regulations
From the Preface: "...In this book we intend to explain the uses of plastics in packaging. Although this is not a course in chemistry nor in material science, we attempt to stress the relationship between chemical structure and packaging material properties. We expect the reader to have some knowledge of chemistry and physics..."Target Audience: Packaging professionals responsible for writing specifications, designing, fabricating, testing, and controlling the quality of plastics materials, as well as students of packaging.

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Title	Location	Edition / Series / Misc.

1134 **Plastics Technology Handbook, 3rd Ed.**

Author: Manas Chanda and Salil K. Roy
Publish.: Marcel Dekker
- place:
- date: 1998
Subject: Plastics Processing Technology - Polymer Science - Wear.
Desc: 1208 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 82470066
Shelf

Edition:
Series:
Year: 1998
Price: $235.00

Subjects

610 .	Polymer Science
614 .	Wear, Weathering, and Tribology
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This fine general encyclopedia of polymeric materials, their technology and environment, offers concise examinations of the chemical nature, characteristic properties, and uses of traditional industrial polymers, including acrylics, polyolefins, vinyl polymers, polyesters, epoxies, and silicones.This third edition of the new sections on amorphous polymers, degradation by radiation, antimicrobials, and biodegradable polymers. It also discusses the mechanical and rheological behavior of polymers; fibrous reinforcements, reaction injection molding, foamed plastics, electrostatic spraying, adhesive bonding, and plastics decoration; novel developments in industrial polymers, such as the spherilene process, reactor granule technology, single-site catalyst technology, and constrained geometry; and more.From the Preface: "...In this new edition, we have revised each chapter by adding more topics of interest and bringing the existing information up-to-date. The organization and format of the book, which provide readers with direct access to the topics they want to read, have not been altered...Knowledge of molecular characteristics and structure—property relations of polymers is essential for a fuller appreciation of their application potential and the methods that can be used to enhance their performance..."Target Audience: Plastics, materials, mechanical, chemical, process, and general engineers; polymer chemists; and upper-level students of these disciplines.Brief Table of Contents:Characteristics of Polymers
Fabrication Processes
Plastics Properties and Testing
Industrial Polymers
Polymers in Special Uses
Recycling of Polymers
Trends in Polymer Applications
Appendices
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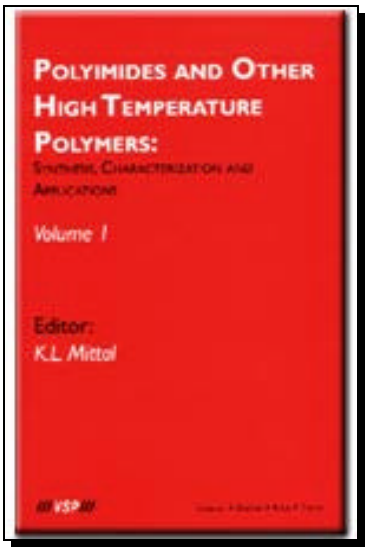
Title	Location	Edition / Series / Misc.

1385 **Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applicati**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2001
Subject: Polymer Science - Interfacial Engineering and Surface Science -
Desc: 330 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067643394
Shelf

Edition:
Series:
Year: 2001
Price: $108.50



Subjects

600 .	Interfacial Engineering and Surface Science
610 .	Polymer Science
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

Polyimides exhibit an impressive variety of desirable traits: low dielectric constant, high breakdown voltage, good planarization, wear resistance, radiation resistance, inertness to solvents, good adhesion properties, good hydrolytic stability, low thermal expansion, long-term stability, and excellent mechanical properties. Thus, they comprise an important class of materials. This volume contains 21 papers — all rigorously peer reviewed and revised before publication — which were originally presented at the International Symposium on Other High Temperature Polymers: Characterization and Applications held November 29-December 1, 1999 in Newark, NJ.From the Preface: "...Even a cursory glance at the literature evince that there is currently a tremendous R&D activity in synthesizing new and improved polyimides and other high temperature polymers as well as in finding new applications..."Target Audience: Any researcher, technologist, or student interes the fundamental or applied aspects of polyimides and other high temperature polymers.Partial Table of Contents:
Synthesis, Properties and Bulk Characterization:
Investigation of Structure—Property Relationships in Aromatic Polyimides and Polyamides
The Photochemistry and Photophysics of Polyimides: The State of the ArtMeasurement and Theoretical Estimations Dielectric Properties of Polyimides
Residual Stress Evaluation in Aromatic Polyimides by X-Ray Diffraction
Chemistry and Properties of o-Hydroxy and o-Amino-Substituted Polyimides
Synthesis and Characterization of a High T (DMBZ-15)
Synthesis of Fluorinated Polyimides
Highly Oriented Poly(4,4'-diphenylene)pyromellitimide Films
Shape-Memory Polymers: Copoly(aliphatic-aromatic)oxadiazolesInterfacial or Adhesion Aspects and Applications:
Surface Properties of Polyimide Alignment Layers for Liquid Crystal Display
Electrostatic Phenomena in Polyimide Langmuir—Blodgett Films: Space Charge Distribution and Electronic Density of States at the Film/Metal Interface
Polyimides Coated with Copper Sulfide: Surface Conductive Films
Dynamic Mechanical Properties of Carbon Fiber/PMR-15 Composites Containing Thermoplastic Co-Polyimide Interphase Coatings
Developing a Strategy for Simulations of the Polyimide—Silica Interface

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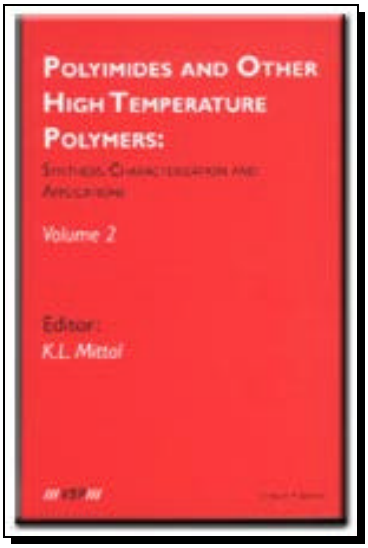
Title	Location	Edition / Series / Misc.

1508 **Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applicati**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2003
Subject: Polymer Science - Polymer Surface Modification
Desc: 540 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067643785
Shelf

Edition:
Series:
Year: 2003
Price: $238.50



Subjects

602 .	Polymer Surface Modification
610 .	Polymer Science

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Reviews - Synopsis - Dust Jacket

This volume documents the proceedings of the Symposium on Polyimides and Other High Temperature Polymers: Characterization and Applications 2001. It contains 32 peer-reviewed papers addressing many aspects and new developments regarding these materials, which possess a variety of desirable attributes, making them an ideal choice for a variety of technologies, ranging from microelectronics to high temperature adhesives to membranes. This collection offers a wealth of information while presenting a broad stroke of current commentary on this technologically important field.From the Preface: "...For quite some time there has been a brisk R&D activity in synthesizing new polyimides and/or in amerliorating/modifying the existing materials. All signals indicate that interest in polyimides and other high temperature polymers will continue unabated..."Target Audience: Academic and industrial scientists and technologists, as well as upper-level students, interested in the fundamental or applied aspects of this topic.Partial Table of Contents:

Synthesis, Properties and Bulk Characterization:
Poly(amic acid)s and Their Ionic Salt Solutions: Synthesis, Characterization and Stability Study
Synthesis and Characterization of New Organosoluble Poly(ehter imide)s Derived from Various Novel Bis(ether anhydride)s
Synthesis of Novel Polyimides from Dianhydrides with Flexible Side Chains
New Photoalignable Polyimides and their Ability to Control Liquid-Crystal Alignment
Proton Conducting Polyimides from Novel Sulfonated Diamines
Effect of Structure on the Thermal Behaviour of Bisitaconimide Resins
Synthesis of Aromatic Benzoxazole Polymers for High Tg, Low Dielectric Properties
Electrical Breakdown and Electrostatic Phenomena in Ultra-Thin Polyimide Langmuir—Blodgettt Films
Transport of Water in High Tg Polymers: A Comparison Between Interacting and Non-Interacting SystemsSurface Modification, Interfacial or Adhesion Aspects and Applications:
New Developments in the Adhesion Promotion of Electroless Ni or Cu Films to Polyimide Substrates
Surface Modification of Polyimide to Improve Its Adhesion to Deposited Copper Layer
Plasma Polymer Adhesion Promoters for Metal—Polymer Systems
RF Plasma Etching of a Polyimide Film with Oxygen Mixed with Nitrogen Trifluoride
Fabrication of Thin-Film Transistors on Polyimide Films
Polyimide/Polystyrene Nanocomposite Films as Membranes for Gas Separation and Precursors for Polyimide Nanofoams
Influence of Aramid Fabric on Fretting Wear Performance of Polyetherimide Composite
Semicrystalline Polyimides for Advanced Composites

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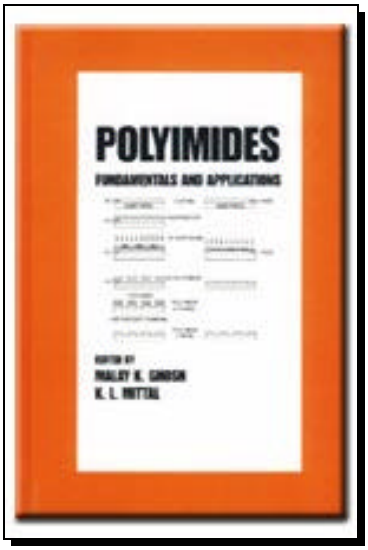
Title	Location	Edition / Series / Misc.

1126 **Polyimides: Fundamentals & Applications**

Author: Malay K. Ghosh and K.L. Mittal, eds.
Publish.: Marcel Dekker
- place:
- date: 1996
Subject: Polymer Science - Plastics Processing Technology - Polymer
Desc: 912 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824794664
Shelf

Edition:
Series:
Year: 1996
Price: $228.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization
628 .	Plastics Processing Technology

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Thermal Curing in Polyimide Films and Coatings
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Tribological Behavior of Polyimides
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Reviews - Synopsis - Dust Jacket

This treatise emphasizes recent developments in this field, providing exhaustive coverage of the full range of topics associated with polyimides, including structure, synthesis, polymer fundamentals, and product areas. An extensive and valuable section on surface characterization and modification and adhesion aspects is included. Other topics addressed include vapor phase deposition and the chemistry and kinetics of polyimide formation; thermal and infrared curing, charge transfer, sorption, water vapor diffusion, dielectric properties, and degradation and stability; and more.From the Preface: "...This book was conceived with the aim of providing a comprehensive source of information in this burgeoning area. Most books on polyimides have emanated from various symposia. The first comprehensive symposium on this topic was organized by one of us (KLM) in 1982, and since then there have been many conferences and symposia on this special class of high-performance polymers covering their various ramifications. So we thought it was opportune now to summarize the status of this field in the form of a treatise..."Target Audience: Physical, surface, colloid, and adhesive chemists; plastics, chemical, and assembly engineers; materials, polymer, and adhesion scientists; mechanical designers; packaging technologists; and

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upper-level undergraduate and graduate level students in these disciplines.

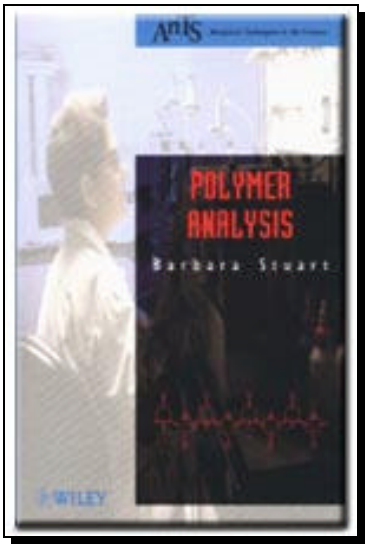
Title	Location	Edition / Series / Misc.

1439 **Polymer Analysis**

Author: Barbara Stuart
Publish.: John Wiley & Sons
- place:
- date: 2002
Subject: Polymer Characterization - Recommend this Site
Desc: 302 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 47181363
Shelf

Edition:
Series:
Year: 2002
Price: $48.50



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715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This introductory text provides a very accessible overview of polymer analysis. The emphasis is on the properties of polymers, rather than on the various techniques employed. As of its publication, this is the only currently available book which includes extensive use of questions and problems with in-depth discussions to aid the reader's understanding of this subject. Whereas most other books on polymer analysis are primarily theoretical, this text concentrates on the practical aspects.From the Preface: "...This book is not meant to be comprehensive — polymer science is a very extensive field! However, it is hoped that the information provided here can be used as a starting point for more detailed investigations...The background to each analytical techniques is introduced and explained, and how these techniques may be applied to the study of polymers is then covered in the various chapters..."Target Audience: Entry level students of polymer scie well as technicians and sales personnel needing a readable and concise introduction to the wide range of analytical techniques which are used to characterize polymeric materials.

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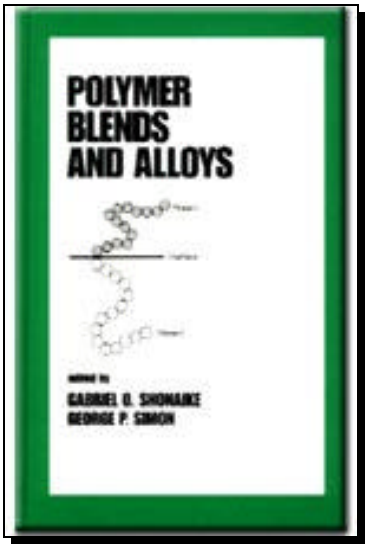
Title	Location	Edition / Series / Misc.

1262 **Polymer Blends and Alloys**

Author: Gabriel O. Shonaike and George P. Simon, eds.
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: Polymer Science - Recommend this Site
Desc: 760 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824719808
Shelf

Edition:
Series:
Year: 1999
Price: $213.50



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Compatibilization and Miscibility:
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Thermosetting Polymer Blends: Miscibility, Crystallization, and Related Properties
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High-Performance Polymer Blends and Alloys: Structure and Properties
“Natural” Polymer Alloys: PC/ABS Systems
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Applications of X-Ray Photoelectron Spectroscopy and Secondary Ion Mass Spectrometry in Characterization of Polymer Blends
Emulsion Models in Polymer Blend RheologyMorphology:
Microstructure of Multiphase Blends of Thermoplastics
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Deformation Mechanisms in Toughened PMMA
Impact Toughening Mechanisms in Glassy PolymersRecent Developments:
New Strategies for the Tailoring of High-Performance Multiphase Polymer-Based Materials
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Developments in Poly(vinyl Chloride)/Epoxidized Natural Rubber Blends
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Reviews - Synopsis - Dust Jacket

This reference work presents effective compounding techniques for polymers, carefully distinguishing among blends, alloys, and other types of combinations; clarifying terminology; and presenting data on new processes and materials. Among other features,
Alloys
of various polymer blends; explores structure—property relationships of polymers, focusing on the interplay of polarity, molecular weight, crystallinity, and other factors; examines deformation mechanisms, viscoelastic emulsions, and multiphase structures and rheology of blends; and explains the physics of polymer reactivity, interfacial mixtures, and cooperative Brownian motion.From the Preface: “Polymer blends are a key component of current polymer research and technology. This is fed in part by the ease of production of new materials by mixing and the diversity of properties that result. From a scientific standpoint, however, an increasing battery of charaterization techniques have also led to an increased understanding of the ways polymers mix, their fundamental interactions, and how these interactions affect their final properties. This link between molecular

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interactions and physical and engineering properties continues to fascinate..."Target Audience: Materials scientists, polymer scientists and engineers, plastics engineers and technologists, physicists, chemists, and upper-level undergraduate and graduate students in these disciplines.

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Title	Location	Edition / Series / Misc.

1532 **Polymer Blends Handbook (2 Volume Set)**

Author: Leszek A. Utracki, ed.
Publish.: Kluwer Academic
- place:
- date: 2003
Subject: Polymer Science - Recommend this Site
Desc: 1488 p, 7.6 x 10.2 Hardcover

Dynix:
Call No.:
ISBN: 1402011148
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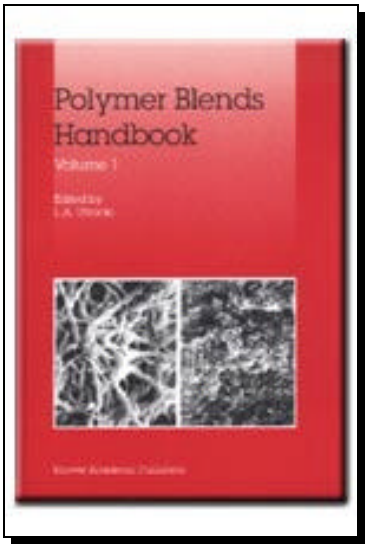
Edition:
Series:
Year: 2003
Price: $498.50



Subjects

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715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This two-volume resource presents the broadest spectrum of topics on diverse aspects of polymer blend science and technology, and provides numerical values of parameters that characterize either polymer blends or define their performance characteristics. The Handbook information in a series of selected, then harmonized, chapters. The appendices provide valuable supplemental information.From the Preface: "...[T]he book may be considered compr two parts: 1. Fundamental principles (nine chapters) and 2. Technology (eight chapters and four Appendices). Each chapter provides an introduction to the pertinent topic, discusses the principal aspects, the typical approaches used by the experts in the area, provides numerical values of pertinent parameters, and gives extensive references that facilitate further topical studies..."Target Audience: Anyone considering, studying, or practicing polymer blending, including students, engineers, and researchers.

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Title	Location	Edition / Series / Misc.

1498 **Polymer Characterization Techniques and Their Application to Blends**

Author: George P. Simon, ed.
Publish.: American Chemical Society
- place:
- date: 2003
Subject: Polymer Characterization - Recommend this Site
Desc: 530 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 841238189
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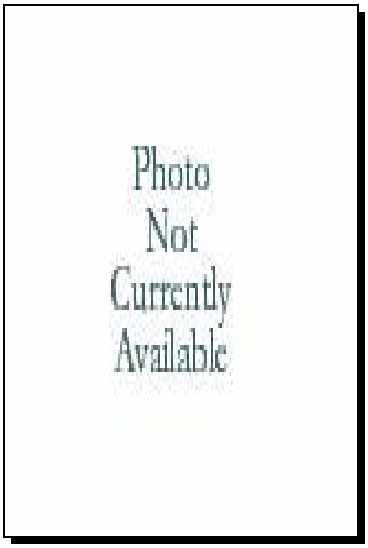
Edition:
Series:
Year: 2003
Price: $198.50



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715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This book introduces the reader to a wide range of polymer characterization techniques including thermal, rheological, mechanical, relaxational, scattering, and spectroscopic anaylses. In addition to discussing the techniques and their experimental considerations in general,
Blends
and how the data obtained are analyzed and interpreted. Practical examples of each technique are drawn from analyses of polymer blends. Thus, each chapter serves as a review of the blend literature as well as a description of the characterization method.From the Preface: "...To be able to manipulate polymer properties and performance, we need to be able to characterize polymers well. This applies to the property of interest, as well as to understanding the molecular behavior of the material. In this way we can hope to design and influence new and better materials, be it in terms of chemistry, processing, post-treatments, and so on. This book seeks to lay out the basics of many of the most-used techniques in polymer science..."Target Audience: Researchers and technologist academia and industry
who are concerned with polymer characterization techniques and their application to blends.

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Title	Location	Edition / Series / Misc.

1206 **Polymer Characterization: Laboratory Techniques and Analysis**

Author: Nicholas P. Cheremisinoff
Publish.: Noyes Publications
- place:
- date: 1996
Subject: Polymer Characterization - Experimental Design and Analysis -
Desc: 264 p, 6.2 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 815514034
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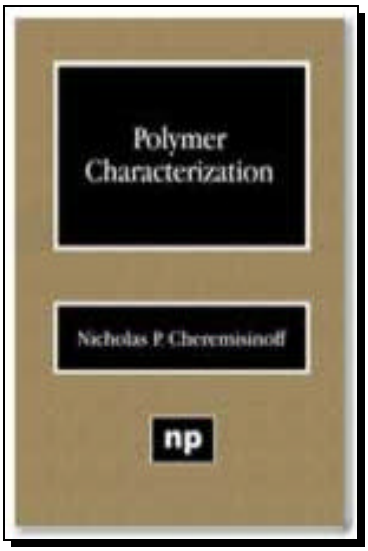
Edition:
Series:
Year: 1996
Price: $68.50



Subjects

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613 .	Polymer Characterization
627 .	Experimental Design and Analysis

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Reviews - Synopsis - Dust Jacket

This volume provides an overview of polymer characterization test methods. The reader will become familiar with the methods and instrumentation used to characterize molecular, compositional, rheological, and thermodynamic properties of elastomers and plastics. A sizable portion of the book is comprised of appendices providing definitions of testing and product characterization terms. These sections provide the reader with a practical source of fundamental information.From the Preface: "...It is essential that both R & D laboratories as well as quality control functions be versed in the various techniques decribed in this book in order to properly design their products and to ensure the highest quality polymers on the market place. This volume is particularly useful in introducing standard polymer characterization laboratory techniques to technicians and engineers beginning their careers in polymer manufacturing and product development areas..."Target Audience: Researchers, engineers, product development specialists, and quality control experts in polymer synthesis and manufacturing.

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Title	Location	Edition / Series / Misc.

1210 **Polymer Data Handbook**

Author: James E. Mark
Publish.: Oxford University Press
- place:
- date: 1999
Subject: Polymer Science - General Reference - Materials Science - Polyme
Desc: 1040 p, 7.5 x 9.2 Hardcover

Dynix:
Call No.:
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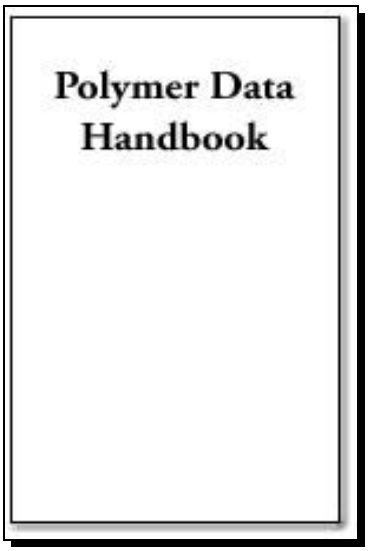
Edition:
Series:
Year: 1999
Price: $143.50



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604 .	General Reference
609 .	Materials Science
610 .	Polymer Science

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Reviews - Synopsis - Dust Jacket

This comprehensive handbook includes key data on over two hundred polymers. No other single source covers as many polymers with such a depth of data. Entries are presented in alphabetical order. Each entry opens with notations of acronyms and trade names, class of polymer, structure, and major applications. This information is followed by tabular displays showing the properties of each polymer.The maximum consistency possible has been established for properties with regard to format, terminology, notations, and units. However, not all properties are applicable to all polymers contained in the handbook; some properties may not even be relevant for certain polymer classes. Any unusual properties exhibited by each polymer (such as electroluminescence or conductivity, for example) are clearly indicated. Each entry closes with a list of references for further study.From the Preface: “The standardized and readily accessible tabular format, concise information on the syntheses, structures, properties, and applications of the most important polymeric materials. Those included are currently in industrial use or they are under study for potential new applications in industry and academic laboratories...”Target Audience: Any researcher or technologist requiring a comprehensive database of polymers and their properties.

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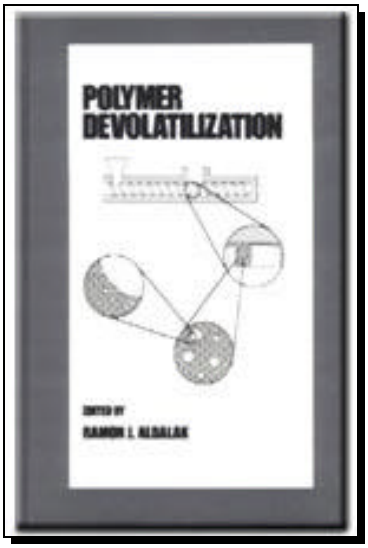
Title	Location	Edition / Series / Misc.

1054 **Polymer Devolatilization**

Author: Ramon J. Albalak
Publish.: Marcel Dekker
- place:
- date: 1996
Subject: Polymer Science - Extrusion - Plastics Processing Technology
Desc: 736 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824796276
Shelf

Edition:
Series:
Year: 1996
Price: $218.50



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Falling-Strand Devolatilization
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Devolatilization in Co-Rotating Twin-Screw Extruders
Devolatilization in Counter-Rotating Nonintermeshing Twin-Screw Extruders
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598 .	Extrusion
610 .	Polymer Science
628 .	Plastics Processing Technology

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This comprehensive reference offers a hands-on approach to polymer devolatilization. It introduces the necessary fundamental background material, elucidates the actual mechanisms by which the devolatilization of polymers progresses, and discusses virtually every type of devolatilizing equipment available.From the Preface: “Devolatilization is an industrial process in which low-molecular-weight components such as unreacted monomer, solvents, water, and various polymerization by-products are separated from a polymeric system. These substances, which are often collectively refered to as ‘volatiles,’ may be removed to comply with various regulations, or to improve the polymer’s properties, or for a variety of other reasons...” Target Audience: Polymer, plastics, materials, chemical, and process engineers; polymer and materials scientists; polymer chemists; and graduate students in these disciplines.

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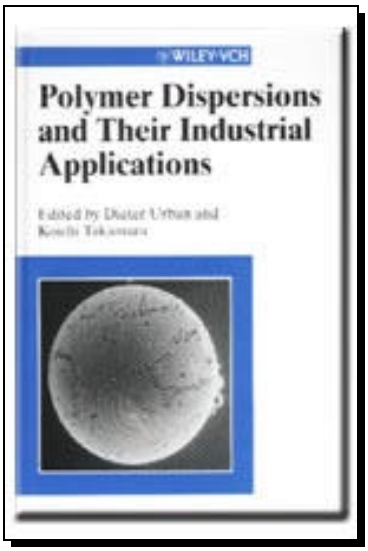
Title	Location	Edition / Series / Misc.

1423 **Polymer Dispersions and Their Industrial Applications**

Author: Dieter Urban and Koichi Takamura, eds.
Publish.: Wiley - VCH
- place:
- date: 2002
Subject: Interfacial Engineering and Surface Science - Adhesives and
Desc: 426 p, 6.7 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 3527302867
Shelf

Edition:
Series:
Year: 2002
Price: $171.50



Subjects

600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion
617 .	Paints and Protective Coatings

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Applications in the Leather Industry
Applications for Asphalt Modification
Applications of Redispersible Powders
Applications for Modification of Plastic Materials
Applications for Dipped Goods
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Reviews - Synopsis - Dust Jacket

This book focuses on the applications of aqueous polymer dispersions — an environmentally-friendly alternative to polymers dissolved in organic solvents. It starts with two chapters describing the synthesis and characterization of polymer dispersions. This introduction is followed by detailed investigations — including history, modern processes, and typical formulations and performance characteristics — of applications in a myriad of industries.From the Preface: “Aqueous polymer dispersions are important raw materials used in a variety of industrial processes. They consist of very small polymer particles dispersed in water and appear as milky fluids. When finally processed and providing the function for which they were selected. they are barely visible...In most applications the water will be evaporated and a functional polymer remains. This can be hard or tacky, plastic or elastic, transparent or opaque...”Target Audience: Product development engineers and managers in the paper, printing, coatings, adhesives, and allied industries; marketing and product managers concerned with aqueous polymer dispersions; and upper-level students in these fields.

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Polymer Enhancement of Technical Textiles (Rapra Review Report 165)

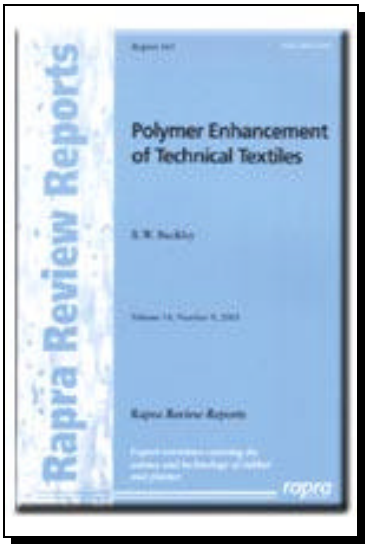
Title	Location	Edition / Series / Misc.

1545 **Polymer Enhancement of Technical Textiles (Rapra Review Report 165)**

Author: Roy W. Buckley
Publish.: Rapra
- place:
- date: 2003
Subject: Textiles and Nonwovens - Coating Processes
Desc: 134 p, 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859573959
Shelf

Edition:
Series:
Year: 2003
Price: $128.50



Subjects

235 .	Coating processes
631 .	Textiles and Nonwovens

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Textile Fabric Choices and Condition
Polymer Application Systems
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Protective Apparel
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Reviews - Synopsis - Dust Jacket

This review addresses the use of polymers to enhance technical textiles for a variety of end-uses and markets. Some of the different weave types — and their effect on fabric strength — are described, together with the common methods of polymer application. Critical factors include the compatibility of the polymer treatments with the textile and the openness of the textile structure, which will determine the surface area available for adhesion. Selecting different application methods can control the degree of penetration of the textile by the treatment polymer. This reference tool contains 449 abstracts from Rapra's Polymer Library database.From the Introduction: "...Combinations of propeties, which are unique to textile structures, are made possible by their fibrous nature and the way in which yarns and fabrics are structured. Their fundamental characteristics which include fibre molecular orientation for high linear strength, very high fibre surface area within the structures, low fabric density...and ease of relative internal movement, manifest in properties such as absorbing capacity, conformability and high strength to weight ratio especially tensile and tear..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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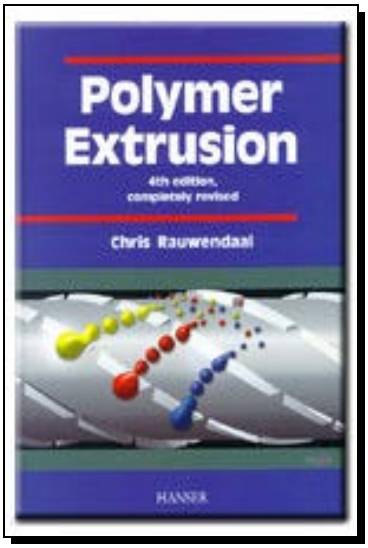
Title	Location	Edition / Series / Misc.

999 **Polymer Extrusion, 4th Ed.**

Author: Chris Rauwendaal
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: Extrusion - Plastic Films - Plastics Processing Technology
Desc: 792 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569903212
Shelf

Edition:
Series:
Year: 2001
Price: $93.50



Subjects

301 .	Plastic films
598 .	Extrusion
628 .	Plastics Processing Technology

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Functional Process AnalysisPractical Applications:
Extruder Screw Design
Die Design
Twin Screw Extruders
Troubleshooting Extruders
Modeling and Simulation of the Extrusion Process
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Reviews - Synopsis - Dust Jacket

This completely revised bestseller strives to bridge the gap between theory and practice. It thoroughly examines all aspects of polymer extrusion technology without invoking complex mathematics, demonstrating how extrusion theory can be applied to actual extrusion problems such as screw design, die design, and troubleshooting.Because screw design is an area where misconceptions can still be found, a major chapter is devoted to the logical, step-by-step analysis of the screw design and optimization process. Extensive changes and additions to this fourth edition of

The text remains an excellent basis for an intensive short course on extrusion, or for a one-semester course on the topic; it is also a very useful reference for the practicing engineer.From the Preface: "...The major aim of this book is to bridge the gap between theory and practice. At this point in time, the extrusion theory is reasonably well developed; however, application of the theory into practice leaves much to be desired. The emphasis of this book is on demonstrating how the extrusion theory can be applied to actual extrusion problems such as screw design, die design, troubleshooting, etc. Screw design, in particular, is an area where misconceptions still abound. A major chapter is devoted to a logical, step-by-step analysis of the screw design and optimization process..."Target Audience: Practicing polymer process engineers and chemists; also helpful for plant managers, quality personnel, researchers and technologists, and upper-level undergraduate or graduate students of polymer extrusion.

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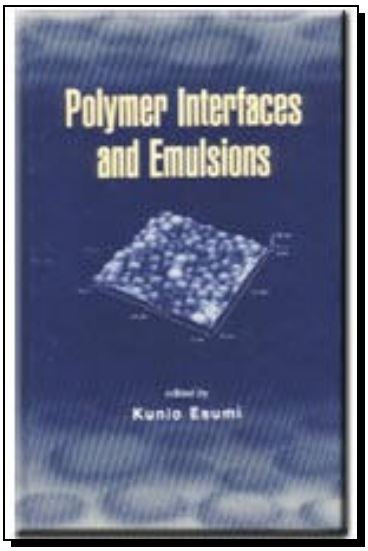
Title	Location	Edition / Series / Misc.

1230 **Polymer Interfaces and Emulsions**

Author: Kunio Esumi, ed.
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: Polymer Surface Chemistry - Adhesives and Adhesion - Colloids ar
Desc: 582 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824719751
Shelf

Edition:
Series:
Year: 1999
Price: $165.00



Subjects

601 .	Polymer Surface Chemistry
606 .	Adhesives and Adhesion
621 .	Colloids and Emulsions

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Influence of Surface Structure on Polymer Surface Behavior
Advances in Preparations and Applications of Polymeric Microspheres
Latex Particle Heterogeneity: Origins, Detection, and Consequences
Electrokinetic Behavior of Polymer Colloids
Interaction of Polymer Latices with Other Inorganic Colloids
Thermodynamic and Kinetic Aspects of Bridging Flocculation
Metal Complexation in Polymer Systems
Adsoprtion of Quaternary Ammonium Compounds at Polymer Surfaces
Adsorption onto Poly(tetrafluoroethylene) from Aqueous Solutions
Adsorption from Polymer Mixtures at the Interface with Solids
Polymer Adsorption at Oxide Surface
Preparation of Oxide-Coated Cellulose Fiber
The Evaluation of Acid—Base Properties of Polymer Surfaces by Wettability Measurement
Index

Reviews - Synopsis - Dust Jacket

This resource discusses the dynamics, preparation, application, and physicochemical properties of polymer solutions and colloids; the adsorption characteristics of polymer surfaces; and the adhesion properties — including acid—base effects, evaluated by wettability measurements — of polymer surfaces. It demonstrates the importance of intermolecular interactions in the adhesion of polymer surfaces, analyzes polymer-bridging of colloids, and more.From the Preface: “Polymeric materials are used for many applications in a wide array of technological areas, and their surface/interface characteristics as well as solution properties are of great importance for their application. Considerable theoretical and experimental work has been carried out to understand the properties and performance of polymeric materials in solution and at various interfaces. In addition, polymer latexes produced by emulsion polymerization have a large and still growing importance as model colloids and industrial products. It is obvious that these polymer colloids will find further use in microdevices and micromachines...”Target Audience: Polymer, physical, surface, colloid, and pharmaceutical chemists; plastics, polymer, process, and chemical engineers; materials scientists; physicists; and upper-level students of these disciplines.

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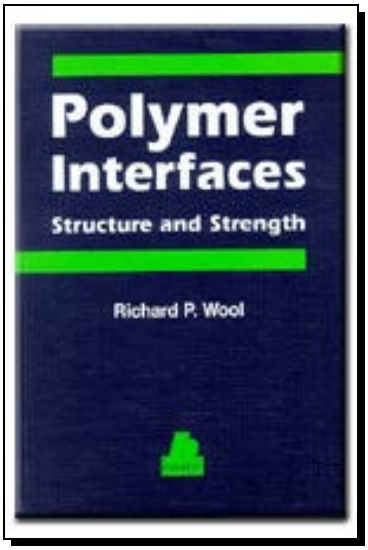
Title	Location	Edition / Series / Misc.

1013 **Polymer Interfaces: Structure and Strength**

Author: Richard P. Wool
Publish.: Hanser Gardner
- place:
- date: 1995
Subject: Adhesives and Adhesion - Biopolymers and Medical Applications -
Desc: 494 p, 6.2 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1569901333
Shelf

Edition:
Series:
Year: 1995
Price: $118.50



Subjects

606 .	Adhesives and Adhesion
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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Rouse Dynamics and Diffusion at Polymer Interfaces
The Fractal Structure of Interfaces
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Neutron Reflection Analysis of Polymer Interfaces
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Strength of Symmetric Amorphous Interfaces
Strength of Incompatible Amorphous Interfaces
Strength of Incompatible Semicrystalline Interfaces
Craze and Damage Healing
Crack Healing
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Reviews - Synopsis - Dust Jacket

Interfaces play a critical role in controlling the properties and reliability of a broad range of materials. This book provides the reader with a fundamental understanding of the structure and strength of polymer interfaces and a state-of-the-art presentation of the theoretical, spectroscopic, and mechanical test methods used. Important topics addressed include the molecular description of interface structure, spectroscopic studies of interface properties, molecular dynamics, fracture, fatigue, and strength optimization. Many practical applications of the underlying science and technology are discussed.From the Preface: “Polymer interfaces are ubiquitous and critical role in controlling the properties and function of a broad range of materials. In this book, we discuss model polymer interfaces in terms of their structure and strength, and apply the results to practical applications, including melt processing, weld lines, injection molding, composite lamination, particle sintering, rubber tack, blends, compatibilizers, adhesion, and fracture. The strength is related to the interface structure in terms of microscopic deformation mechanisms involving disentanglement and bond rupture of polymer chains...”Target Audience: Technologists and researchers concerned with polymer interfaces, as well as upper-level students interested in this field.

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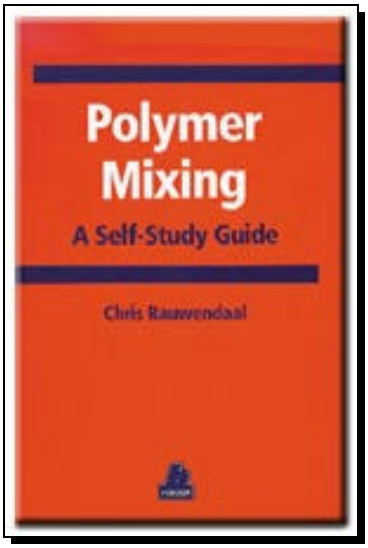
Title	Location	Edition / Series / Misc.

1106 **Polymer Mixing: A Self-Study Guide**

Author: Chris Rauwendaal
Publish.: Hanser Gardner
- place:
- date: 1998
Subject: Plastics Processing Technology - Extrusion - Polymer Science
Desc: 265 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902232
Shelf

Edition:
Series:
Year: 1998
Price: $63.50



Subjects

598 .	Extrusion
610 .	Polymer Science
628 .	Plastics Processing Technology

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Basic Principles of Mixing:
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Dispersive MixingMixing Machinery:
Single Screw Extruders
Twin Screw Extruders
Internal and External Mixers
Static Mixing Devices
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Appendix 1: Screw Design for Twin Screw Extruders
Appendix 2: Question and Answer Review
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Reviews - Synopsis - Dust Jacket

This book covers the fundamental aspects of polymer mixing as well as modern mixing equipment. It emphasizes the basic mechanisms involved in the different mixing processes with a quantitative description of each process. There is an extensive discussion of single and twin screw extruders, as well as sections on internal and external mixers and static mixing devices. The text was prepared as a self-study guide: Questions are provided at the end of each section for the reader to self-evaluate comprehension level.From the Preface: "...The aim of this book is twofold. One aim is to give the reader a good grasp of the basic concepts of polymer mixing and mixing theory. The other is to discuss the various mixing devices used in the polymer industry, with their advantages and disadvantages; this is the application of theory. Basic mixing concepts include a discussion on compounds, blends, and alloys and detailed descriptions of the mechanisms of distributive and dispersive mixing..."Target Audience: Engineers and technologists concerned with the various methods used to mix polymers.

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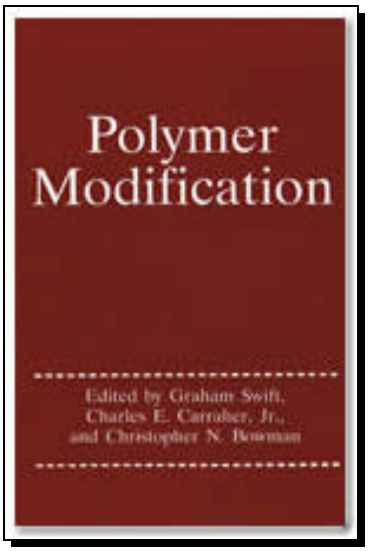
Title	Location	Edition / Series / Misc.
1076 **Polymer Modification**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: Plenum Press	*Call No.:*	
- place:	*ISBN:* 306457148	
- date: 1997	*Shelf*	*Year:* 1997
Subject: Polymer Science - Plastics Processing Technology - Polymer Surfa		*Price:* $158.50
Desc: 221 p, 6.5 x 9.8 Hardcover		



Subjects

602 .	Polymer Surface Modification
610 .	Polymer Science
628 .	Plastics Processing Technology

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Surface Modifications:
The Preparation of Methyl Methacrylate/Methacrylic Anhydride Copolymers from PMMA and Dialkyl Amines via Reaction Extrusion
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The Synthesis of Hydrophobe-Modified Hydroxyethyl Cellulose Polymers Using Phase Transfer Catalysis
The Synthesis and Characterization of Polyesters Derived from L-Lactide and Variably-Sized Poly(Caprolactone)
Reactions with Vinyl Polymers:
The Functionalization of Polyolefins by Using Reactive Intermediates
Chemical Modification of Acrylamide Polymers in Aqueous Solution
Synthesis and Characterization of Poly(Magnesium Acrylate) and Poly(Zirconyl Acrylate) Towards the Formation of Magnesium Partially Stabilized Zirconia Ceramics
Preparation of Functionalized Polymers by Reactions of Poly(Vinylbenzyl Chloride)
Graft Copolymerization of Vinyl Monomers onto Polymers Containing Styrene
Chemical Cross-Linking by Glutaraldehyde Between Amino Groups: Its Mechanism and Effects
Poly(Chlorotrifluoroethylene) Substituted ReactionsInorganic-Containing and Shaped Polymers:
Synthesis and Structural Characterization of Inorganic Tin Ionomers
Computer Modeling of Poly(Acrylic Acid) and Its Salts
Synthesis and Structural Characterization of Titanocene-Containing Polyethers Based on Reaction with Ethylene Oxide-Containing Diols, Including Poly(Ethylene Glycol)
Synthesis of Novel Silanol Polymers and Copolymers by a Selective Oxidation of Si—H Bond from Corresponding Precursor Polymers
Synthesis and Ion-Coupling Reactions of Telechelic Poly(Dimethylsiloxane) Having Cyclic Onium Salt Groups
An Empirical and Modeling Study of Boron Speciation in Solution with a Reactive Dendrimeric Polymer
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Reviews - Synopsis - Dust Jacket

This collection of papers, first presented at an American Chemical Society Division of Polymer Materials symposium held in Orlando, FL, August 21-25, 1996, features a wide variety of industrial and academic research in the rapidly advancing field of polymer modification. Each contribution includes introductory material to orient non-specialist readers.From the Preface: “Polymer modifications represent a valuable synthetic approach to unique polymer compositions, structure, and properties not readily available by the direct polymerization of monomers. Modified polymeric products already exist in the commercial world (modified celluloses, for example) so the approach is not new. However, it is an interesting and challenging opportunity to develop new materials for a variety of specialty applications using the `chemistry on polymer'

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approach...Hopefully, the book will be both a resource and an inspiration for the reader to develop new opportunities for his or her particular applications."Target Audience: Industrial and academic researchers and technologists concerned with the modification of polymeric materials.

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Title	Location	Edition / Series / Misc.

1305 **Polymer Modification: Principles, Techniques, and Applications**

Author: John J. Meister, ed.
Publish.: Marcel Dekker
- place:
- date: 2000
Subject: Polymer Science - Recommend this Site
Desc: 924 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824700783
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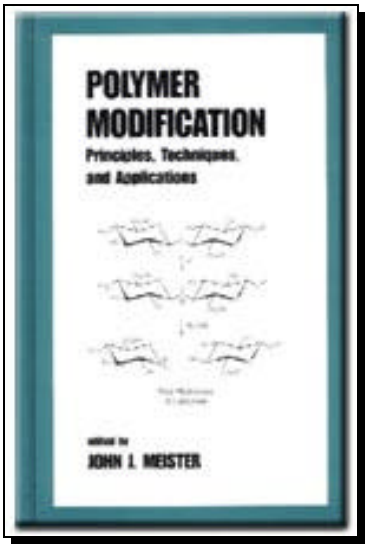
Edition:
Series:
Year: 2000
Price: $198.50



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Modification of Nylon
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Reviews - Synopsis - Dust Jacket

This reference and textbook describes new modification methods and applications for natural, synthetic, thermoplastic, and thermoset polymers. It features both chemical and physical technologies, such as sulfonation, akylation, acid/base hydrolysis, hydrogenation, stress orienting, annealing, and crystallization.Polymer Modification plasma polymerization, examines chlorination and sulphochlorination of polyethylene, and describes the use of lignin as an adhesive for wood composites. It also considers the effect of adding polymer liquid crystals to engineering polymers; the modifications needed to use phenolic materials in molding, laminates, coatings, castings, rubber vulcanizing agents, and high tech resists; and the use of fiber—polymer composites as structural materials. Additionally, it discusses synthetic procedures and reactions involving the production of cellulosic derivatives; details chain cleavage, oxidation, ester formation, polymer grafting, crosslinking, and etherification for modification of natural gums; and more.Target Audience: Polymer and materials scientists; plastics, chemical, process, and design engineers; organic and medical chemists; and upper-level undergarduate and graduate students in these disciplines.

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Title	Location	Edition / Series / Misc.

1306 **Polymer Modifiers and Additives**

Author: John T. Lutz, Jr. and Richard F. Grossman, eds.
Publish.: Marcel Dekker
- place:
- date: 2001
Subject: Additives - Polymer Science
Desc: 528 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824799496
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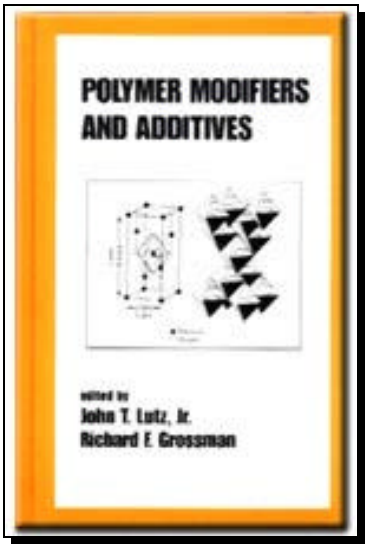
Edition:
Series:
Year: 2001
Price: $138.50



Subjects

610 .	Polymer Science
611 .	Additives

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Heat Stabilizers for Halogenated Polymers
Impact Modifiers
Lubricants
Optical Brighteners
Plasticizers
Processing Aids
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Reviews - Synopsis - Dust Jacket

This reference outlines the benefits of using additives — individually or in combination — to modify the properties and processability of pure polymers, and discusses easy to understand theory and practical applications for immediate economic and performance improvements. It considers how fillers increase load bearing, hardness, and density, as well as affecting pricing for weight and volume. Additionally, it discusses disparities among coupling agents, surface modifiers, and wetting agents; surveys plasticizers and lubricants for PVC; and reviews exothermic chemical blowing agents and the replacement of CFCs with supercritical COPolymer Modifiers and Additives nonhalogen and antimony—halogen systems, smoke and toxic gases, and phosphorous—bromide synergy in relation to flame-retardants; showcases the interaction of chemistry with mechanical devices; highlights additives that reduce electrostatic charge, interfere with biological growth, and assist with compounding; explains color theory and the importance of base resin, thermal stability, and end-use durability; and more.Target Audience: Polymer and materials scientists; plastic chemical, process, and design engineers; and upper-level undergraduate and graduate students in these disciplines.

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Polymer Nanocomposites: Synthesis, Characterization, and Modeling (ACS Symposium Series 804)

Title	Location	Edition / Series / Misc.

1425 **Polymer Nanocomposites: Synthesis, Characterization, and Modeling (ACS Symposium Serie**

Author: Ramanan Krishnamoorti and Richard A. Vaia, eds.
Publish.: American Chemical Society
- place:
- date: 2001
Subject: Polymer Science - Materials Science
Desc: 252 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841237689
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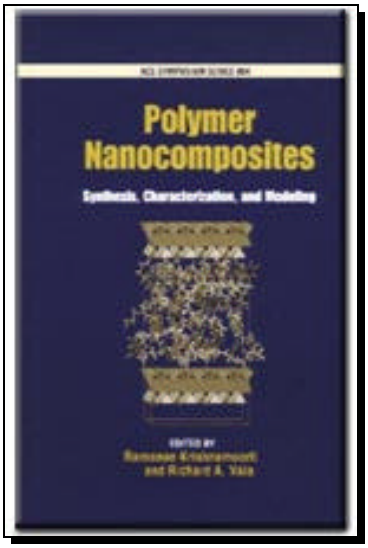
Edition:
Series:
Year: 2001
Price: $103.50



Subjects

609 .	Materials Science
610 .	Polymer Science

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Predicting the Phase Behavior of Polymer—Clay Nanocomposites: The Role of End-Functionalized Chains
Carbon Black Structure and Associations in Filled Rubbers
An Investigative Study of Polymer Adsorption to Mectite Clay: Polyelectrolytes and Sodium Montmorillonite
Mesoscopic Structure of Polymer—Inorganic Nanocomposites
Solution and Solid-State NMR Spectroscopy of Nylon 6—Montmorillonite Clay Nanocomposites
Studies of Organically Modified Clays by Scattering Techniques
Thin Film Organically Modified Layered Silicate—Polymer Hybrid Materials
Influence of Layered-Silicates on the Rheological Properties of Diblock Copolymer Nanocomposites
Dispersion and Nucleating Effects of Clay Fillers in Nanocomposite Polymer Films
Molecular Simulations of Ultra-Confined Polymers: Polystyrene Intercalated in Layered-Silicates
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Reviews - Synopsis - Dust Jacket

This volume — comprised of papers originally presented at a symposium held during the Spring 2000 American Chemical Society meeting — highlights the unique chemical and physical aspects associated with polymer based nanocomposite materials. It describes the latest fundamental and applied research in this area, while presenting possible future directions for the development of high performance materials. The two main themes of the text are techniques to manipulate inorganic morphology in the presence of polymers on the nanometer length scale, and physical understanding and implications to properties of surface adsorbed and nanoscopically confined polymers.From the Preface: "...We have developed this volume by focusing on the three most important aspects for the development of PNCs [polymer nanocomposites]: synthesis, characterization, and modeling. The synthesis aspects cover the methods to develop nanoparticles and polymer nanocomposites. Characterization techniques, particularly structural characterization, have proven to be extremely difficult because of the range of length-scales associated with these materials. Radiation scattering, atomic force microscopy, and viscoelastic measurements are three techniques that are currently being fine-tuned and applied for the characterization of such hierarchical materials and are described in the book. Finally, theoretical and modeling, particularly computer modeling methods, are described in the book and are crucial in the development of design strategies for the next generation of nanocomposite materials..."Target Audience: Scientists and researchers working on the basic issues

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surrounding nanocomposites and nanoparticulate filled polymers, as well as those working in industry on applied problems such as processing.

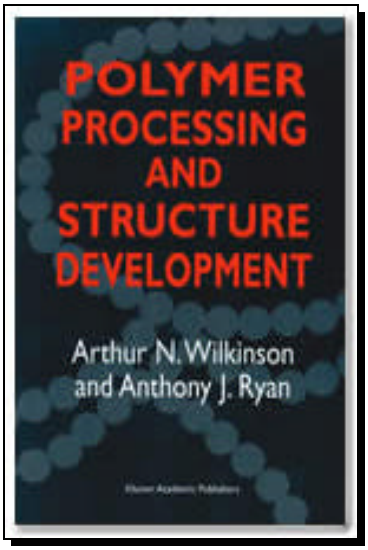
Title	Location	Edition / Series / Misc.

1212 **Polymer Processing and Structure Development**

Author: Arthur N. Wilkinson and Anthony J. Ryan, eds.
Publish.: Kluwer Academic
- place:
- date: 1999
Subject: Plastics Processing Technology - Extrusion - Polymer
Desc: 592 p, 6.2 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 792357728
Shelf

Edition:
Series:
Year: 1999
Price: $62.50



Subjects

598 .	Extrusion
613 .	Polymer Characterization
628 .	Plastics Processing Technology

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Cyclic Processes: Analyses and Processing—Structure—Property Relationships
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Reviews - Synopsis - Dust Jacket

Polymer science is fundamentally interdisciplinary, yet specialists in one aspect, such as chemistry or processing, frequently encounter difficulties in undertanding the effects of other disciplines on their own. This book describes clearly how polymer chemistry and polymer processing interact to affect polymer properties. It includes step-by-step introductions to polymer processing technologies; details of fluid flow and heat transfer; analyses of molding and extrusion processes; and more.From the Preface: "...The book begins outlining our basic approach, after which the technology of polymer processes is thoroughly reviewed. This serves to introduce both the machine geometry in which flow and heat transfer processes occur and the geometry of typical products...Our approach is developmental, it being the intention to take the reader from an introduction to processing technologies, to an understanding of the basic science behind processing; that is, flow, shaping and solidification, and finally to gain at least an appreciation of processing—structure—property relationships..."Target Audience: Polymer scientists and processing technologists; upper-level students of plastics and polymer technology.

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Title	Location	Edition / Series / Misc.

1125 **Polymer Processing: Principles and Design**

Author: Donald G. Baird and Dimitris I. Collias
Publish.: Wiley - Interscience
- place:
- date: 1998
Subject: Plastics Processing Technology - Polymer Science
Desc: 354 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 471254533
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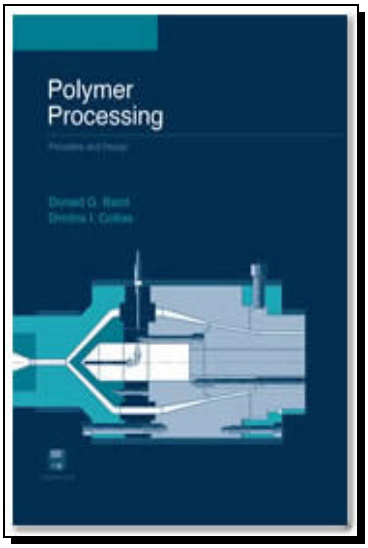
Edition:
Series:
Year: 1998
Price: $98.50



Subjects

610 .	Polymer Science
628 .	Plastics Processing Technology

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Importance of Process Design
Isothermal Flow of Purely Viscous Non-Newtonian Fluids
Viscoelastic Response of Polymeric Fluids
Diffusion and Mass Transfer
Nonisothermal Aspects of Polymer Processing
Mixing
Extrusion Dies
Extruders
Postdie Processing
Molding and Forming
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Reviews - Synopsis - Dust Jacket

This book addresses the design of machinery and processes for thermoplastics processing. It emphasizes fundamental concepts, ensuring a solid foundation in the principles underlying the design of polymer processing systems, and allowing the reader to carry out practical design decisions. While most books leave the student with equations only, Polymer Processing: Principles and Design methods required to solve the equations with the personal computer and easy-to-use IMSL numerical subroutines.From the Preface: "...A large number of chemical and mechanical engineers are employed in the polymer industry. They are asked to improve existing processes or to design new ones to provide polymeric materials with a certain level of properties...Yet, engineers receive little or no training in the design of polymer processes during their education, partly because they have an inadequate background in transport phenomena and in the mathematical knowledge required to solve the equations that arise in the design of polymer processes. One aim of this book is to strengthen the background of engineering students in transport phenomena as applied to polymer processing, and the other is to introduce them to numerical simulation..."Target Audience: Design, mechanical, chemical, and process engineers; plant and operations managers; consultants; upper-level students; and others involved in the design and optimization of polymer processing operations.

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Polymer Sorption Phenomena (Macromolecular Symposia 145)

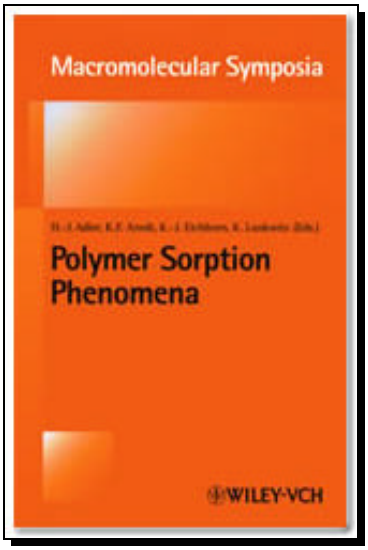
Title	Location	Edition / Series / Misc.

1311 **Polymer Sorption Phenomena (Macromolecular Symposia 145)**

Author:
Publish.: Wiley - VCH
- place:
- date: 1999
Subject: Polymer Surface Chemistry - Biopolymers and Medical Applications
Desc: 190 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 352729905
Shelf

Edition:
Series:
Year: 1999
Price: $83.50



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

Research in the area of modification and characterization of surfaces and interfaces of solids has blossomed recently, due in large part to this field's enormous potential for the development of important new technologies in materials research and engineering. Therefore, the seventh Dresden Polymer Discussion, held April 19-22, 1999, was dedicated to "Characterization of Polymer Sorption Phenomena: From Solution to the Surface." This publication is a reprint of those proceedings — it is intended to contribute to further research in this field.The papers contained in characterization of polymers in solution; properties of the surface before polymer sorption; the differences between bulk and surface attributes of polymers; and the current understanding of polymers at surfaces.From the Preface: "...A lot of contributions have b made to understand and influence interfacial phenomena such as adhesion, wettability, colloidal stability, friction, wear, corrosion resistance, biocompatability of materials, membrane processes, etc. In addition, the new techniques and methods to create and characterize nanoparticles and nanostructures at surfaces have opened up the path for nanotechnology...Applications in information technology, biomedical technology, and sensor and actor technology seem particularly promising..."Target Audience: Academic and industrial researchers of materials science and engineering, physical and macromolecular chemistry, and colloid and polymer surface science.

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Polymer Spectroscopy: 14th European Symposium on Polymer Spectroscopy (ESOPS 14)

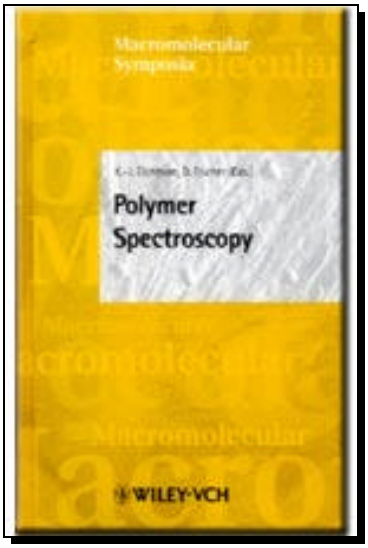
Title	Location	Edition / Series / Misc.

1480 **Polymer Spectroscopy: 14th European Symposium on Polymer Spectroscopy (ESOPS 14)**

Author: K.-J. Eichhorn and D. Fischer, eds.
Publish.: Wiley - VCH
- place:
- date: 2002
Subject: Polymer Characterization - Recommend this Site
Desc: 400 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 3527304746
Shelf

Edition:
Series:
Year: 2002
Price: $185.00



Subjects

613 .	Polymer Characterization
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This volume, containing 28 papers originally presented at the 14th European Symposium on Polymer Spectroscopy (ESOPS 14), held September 2-5, 2001 in Dresden, Germany, addresses various spectroscopic analyses, including IR, Raman, UV/vis, fluorescence, NMR, EPR, mass spectroscopy, XPS, EELS, electrical, mechanical, and ultrasound. These methods can be used to study characteristics such as order and crystallinity, phase transitions, deformation and viscoelasticity, and surface modification. All these topics, as well as modern trends such as the application of electric fields and supercritical fluids, and in-line process monitoring, are discussed inFrom the Preface: "...The papers presented in this issue of Macromolecular Symposia lectures as well as selected poster contributions to demostrate the recent fields of polymer spectroscopy..."Target Audience: All academic and industrial researchers concerned with polymer analysis and spectroscopy.Partial Table of Contents:New Insights into the Development of Ordered Structu
Poly(ethylene terephthalate), II. Results from Transmission Infrared Spectroscopy of Thin Films
The Factor Group Splitting Phenomenon: A Vibrational Spectroscopy Approach to Assess Polymer Crystallinity and Crystalline Density
New Advances on the Characterisation of Polymer Surfaces by HREELS
Real-Time FTIR-ATR Spectroscopy of Photopolymerization Reactions
Structure of Polypropylene/Polyethylene Blends Assessed by Polarised PA-FTIR Spectroscopy, Polarised FT Raman Spectroscopy and Confocal Raman Microscopy
Raman Study of Orientational Order in Polymers
Applications of Electric Fields in NMR
Characterization of Deformation Behavior of Heterogeneous Polymer Systems Using Spectroscopic and Microscopic Methods
Polymers and Supercritical Fluids: Opportunities for Vibrational Spectroscopy
Self-Modeling Curve Resolution Analysis of On-Line Vibrational Spectra of Polymerisation and Transesterification
Optical Modification and Metal Complexation of Ultrathin Spin-Coated Polymer Films
Raman Microspectroscopy Mapping: A Tool for the Characterisation of Polymer Surfaces
Mass Spectrometric Analysis of Chain End Functionalization
Analysis of the End Groups of Poly(methyl methacrylate)
Mapping the Distribution of Components in Formulated Polymeric Membranes Using FTIR-ATR Microscopy

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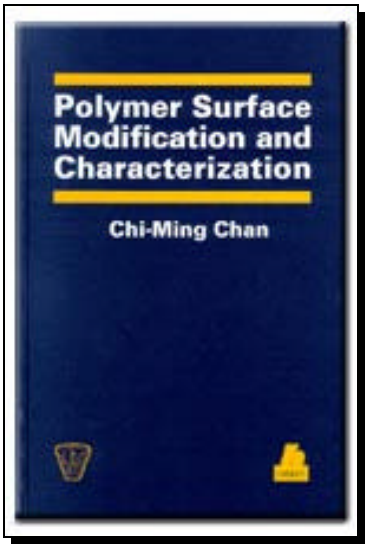
Title	Location	Edition / Series / Misc.

1004 **Polymer Surface Modification and Characterization**

Author: Chi-Ming Chan
Publish.: Hanser Gardner
- place:
- date: 1994
Subject: Polymer Surface Modification - Surface Characterization and Analysi
Desc: 295 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569901589
Shelf

Edition:
Series:
Year: 1994
Price: $88.50



Subjects

602 .	Polymer Surface Modification
608 .	Surface Characterization and Analysis

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Polymer Surface: Modification and Analysis
Contact Angle Measurement
X-Ray Photoelectron Spectroscopy
Secondary Ion Mass Spectrometry
Surface Grafting
Plasma Modification
Corona and Flame Treatments
Index

Reviews - Synopsis - Dust Jacket

Successful application of polymers in fields like adhesion, biomaterials, protective coatings, friction and wear, composites, microelectronic devices, and thin-film technology generally requires special chemical and physical surface properties, such as chemical conposition, hydrophilicity, roughness, crystallinity, conductivity, lubricity, and cross-linking density.For polymers which do not possess the surface properties required for specific applications, this book presents various methods of surface modification, and illuminates the important relationship between surface analysis and surface modification. The changes in physical and chemical properties of very thin surface layers brought about by the methods described can rarely be analyzed by conventional techniques. Surface Modification and Characterization different analytical techniques developed particularly for the purpose of the study of polymer surfaces.From the Preface: “Over the last decade, polymers have been used successfully in many industrial applications, including adhesion, packaging, thin films, biomaterials, and coatings. Surface chemical and physical properties play an important role in the success of many of these applications. Advances in surface modification techniques have been made to provide polymer surfaces with specific properties, as required by these applications...”Target Audience: Chemical engineers, polymer chemists and scientists, plastics engineers, and others requiring an understanding of the field.

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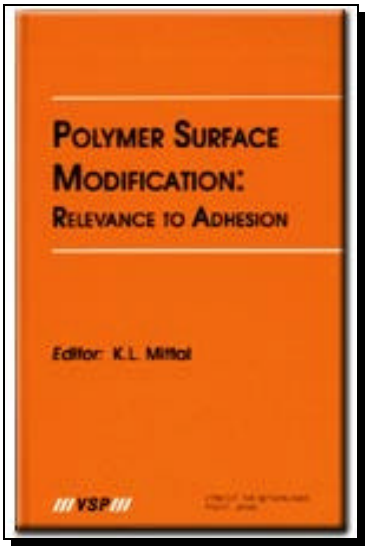
Title	Location	Edition / Series / Misc.

1395 **Polymer Surface Modification: Relevance to Adhesion**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 1996
Subject: Polymer Surface Modification - Adhesives and Adhesion - Interfacial
Desc: 558 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067642010
Shelf

Edition:
Series:
Year: 1996
Price: $138.50



Subjects

600 .	Interfacial Engineering and Surface Science
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Plasma Surface Modification Techniques:
Plasma Treatment of Polydimethylsiloxane
Atmospheric Silent Discharge vs. Low-Pressure Plasma Treatment of Polyethylene, Polypropylene, Polyisobutylene, and Polystyrene
Hydrophobic Recovery of Repeatedly Plasma-Treated Silicone Rubber: Storage in Air
The Improvement in Adhesion of Polyurethane—Polypropylene Composites by Short-Time Exposure of Polypropylene to Low and Atmospheric Pressure Plasmas
Fluoropolymer Surface Modification for Enhanced Evaporated Metal Adhesion
Plasma Treatment of Polymers: The Effect of the Plasma Parameters on the Chemical, Physical, and Morphological States of the Polymer Surface and on the Metal—Polymer Interface
Interfacial Chemistry in Al and Cu Metallization of Untreated and Plasma Treated Polyethylene and Polyethyleneterephthalate
Barrier Properties of Plasma-Modified Polypropylene and Polyethyleneterephthalate
Surface Biomedical Effects of Plasma on PolyetherurethaneLaser Surface Modification Techniques:
Modification of Polymers with UV Excimer Radiation from Lasers and Lamps
Photolytic Surface Modification of Polymers with UV-Laser Radiation
Laser-Induced Adhesion Enhancement of Polymer Composites and Metal Alloys
Excimer Laser-Induced Photochemical Modification and Adhesion Improvement of a Fluororesin Surface
Photochemical Surface Modification of Polypropylene for Adhesion Enhancement by Using an Excimer LaserOther/Miscellaneous Surface Modification Techniques:
A Comparison of Gas-Phase Methods of Modifying Polymer Surfaces
UV and Ozone Treatment of Polypropylene and Poly(ethylene terephthalate)
Effects of Aging and Washing on UV and Ozone-Treated Poly(ethylene terephthalate) and Polypropylene
Surface Pretreatment of Plastics for Adhesive Bonding
`Surface Photografting' onto Polymers —A New Method for Adhesion Control
Photochemical Surface Modification of Polymers for Improved Adhesion
Surface Properties of Polyethylene Grafted with Triallyl Cyanurate in the Presence of an Electron Beam
Surface Modification of PVDF Membranes by Grafting of a Vinylphosphonium Compound
Surface Modification of Fluoropolymers
Modification of Polyimide Surface Morphology: Relationship Between Modification Depth and Adhesion Strength
Surface Modification of Synthetic Vulcanized Rubber
Surface Modification of Drawn Gel-Cast Ultra-High Molecular Weight Polyethylene Films
Modification of Polyamide Fiber Surfaces by Micro-OrganismsGeneral Papers:
Physico-Chemical Properties of Surface-Modified Polymers

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Surface Characterizations of Modified Polyethylene Pulp and Wood Pulps Fibers Using XPS and Inverse Gas Chromatography
Enhancement of the Monovalent Cation Perm-Selectivity of Nafion by Plasma-Induced Surface Modification
A Surface Acoustic Wave Sensor Study of Polyimide Thin Film Surface Treatments — Effect on Water Uptake
A Reactive Acrylic Adhesive for Bonding Polyolefins
Laser Annealing and Surface Modification of Plasma Polymer—Metal Composite Films
Surface and Interface Charge Effects in Metal—Polymer Adhesion

Reviews - Synopsis - Dust Jacket

Polymeric materials are used for a legion of applications in a host of technological fields. However, polymers are innately hydrophobic, low surface energy materials and thus do not adhere well to other materials. This necessitates surface modification to render them adhesionable. This volume contains papers originally presented at the Symposium on Polymer Surface Modification: Relevance to Adhesion in Las Vegas in November 1993. They were previously published in two special volumes of theFrom the Preface: "...[I]n this symposium, the emphasis was on surface modification of polymers with relevance to adhesion. In light of the tempo of R&D activity in the surface modification of polymers coupled with the tremendous technological interest in this topic, we decided that it was very opportune to hold this symposium [which] was organized with the following objectives in mind: (i) to bring together the scientists and technologists with active interest in this topic; (ii) to provide a forum for discussion of latest developments; (iii) to provide an opportunity for cross-pollination of ideas; and (iv) to identify the unsolved problems as well as the surface modification techniques which offered good promise and vindicated vigorous pursuit..."Target Audience: Academic and industrial scientists and technologists concerned with polymer surfaces and adhesion.

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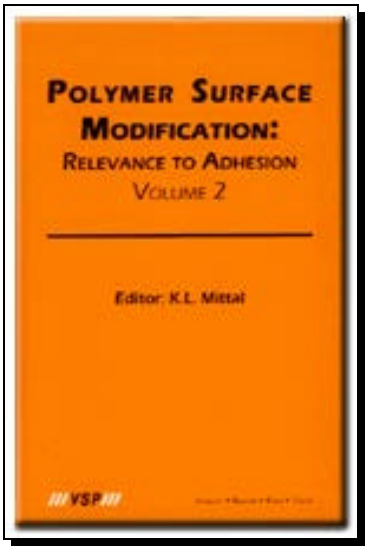
Title	Location	Edition / Series / Misc.

1387 **Polymer Surface Modification: Relevance to Adhesion, Vol. 2**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2000
Subject: Polymer Surface Modification - Adhesives and Adhesion - Polymer
Desc: 640 p, 6.6 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067643270
Shelf

Edition:
Series:
Year: 2000
Price: $176.50



Subjects

601 .	Polymer Surface Chemistry
602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion

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Reviews - Synopsis - Dust Jacket

Polymeric materials are intrinsically not very adhesionable, necessitating some form of surface treatment to enhance their adhesion characteristics to other materials. The papers in this volume, originally presented at the 2nd International Symposium on Modification: Relevance to Adhesion 1999, address this issue. The book is organized in three sections: plasma surface modification; other types of surface modification; and general papers.From the Preface: "...Since the first symposium on this topic, there had been a tremendous R&D activity in devising novel or ameliorating the existing techniques for surface modifcation of polymers. So, it became quite apparent that there was definitely a need for a follow-up symposium...Now turning to this volume, it contains a total of 32 papers. Apropos, a few selected papers are also included in this volume from the Second International Symposium on Plasma Polymerization/Deposition: Fundamental and Applied Aspects held in the same week...All manuscripts were rigorously peer reviewed and suitably revised (some twice or thrice) before inclusion in this volume..."Target Audience: Any researcher, technologist, or student interested in adhesion to modified polymer surfaces.Partial Table of Contents:
Plasma Surface Modification Techniques:
Surface Modification of Poly(tetrafluoroethylene) in RF Glow-Discharge Plasmas: XPS Characterization
Chemically Well-Defined Surface Functionalization of Polyethylene and Polypropylene by Pulsed Plasma Modification Followed by Grafting of Molecules
A Novel Atmospheric Plasma System for Polymer Surface Treatment
Treatment of Vulcanized SBR Rubber with Low-Pressure Gas Plasma Using Oxygen-Nitrogen Mixtures
Significance of Interfacial Redox Reactions and Formation of Metal—Organic Complexes for the Adhesion of Metals on Pristine and Plasma-Treated Polymers
Improved Rubber Adhesion to Textile Tire Cords by Deposition of Plasma-Polymerized Films
Surface Modification of Powders Using a Fluidized Bed Plasma ReactorOther/Miscellaneous Surface Modification Techniques:
Surface Modification of Polymers via Molecular Design for Adhesion Promotion
Surface Modifications of Thermoplastic Styrene—Butadiene Rubber Treated with Sulfuric Acid
Surface Modification of Polyimide with Dielectric Barrier Discharges and with Dielectric Barrier Discharge Drive Excimer UV Lamps
Excimer Laser and High Power Ion Beam Surface Modification of Ultra-High Strength Polyethylene Fibers for Improved Adhesion to Epoxy Resins
Atomic Force Microscopy Study of UV/Ozone Treated Polypropylene Films
High Surface Energy Polymers Obtained by Bombardment with a keV Ion Beam in a Reactive Gas Environment
Electron Beam Modification of EPDM Rubber and Its AdhesionGeneral Papers:
Study on Bioadhesion of Polymeric Biomaterials to Tissues
"Fundamental" and "Practical" Adhesion in Polymer—Fiber Systems

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Stearate-Modified Calcium Carbonate Fillers and Their Effect on the Properties of Poly(vinyl acetate) Composites
Plasma Copolymerized Surfaces to Enhance Cell Culture
Vacuum Arc Plasma Deposition of Wear Resistant Coatings on Polymer Substrates
Gas Barrier Properties of Plasma-Deposited Coatings — Substrate EffectsRadiofrequency Plasma Deposition of GE/ Films from Tetraalkylgermanium Derivatives

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Title	Location	Edition / Series / Misc.

1205 **Polymer Surfaces & Interfaces III**

Author: R.W. Richards and S.K. Pearce, eds.
Publish.: John Wiley & Sons
- place:
- date: 1999
Subject: Surface Characterization and Analysis - Polymer Surface Chemistry
Desc: 316 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471982865
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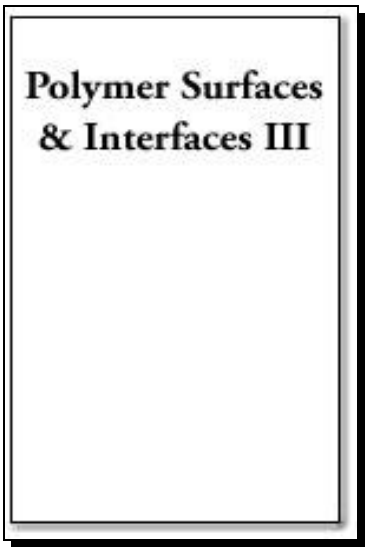
Edition:
Series:
Year: 1999
Price: $198.50



Subjects

601 .	Polymer Surface Chemistry
602 .	Polymer Surface Modification
608 .	Surface Characterization and Analysis

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Application of Ellipsometry to Polymers at Interfaces and in Thin FilmsMeV Ion Beam Profiling of Polymer Surfaces Interfaces
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Mechanical Properties of Polymer Interfaces
Neutron Reflectivity for the Study of Polymer Interfaces
Modification of Electrode Surfaces with Electroactive Polymers
Interactions of Tethered Polyelectrolytes in Poor Solvents
Viscoelastic Properties of Polymer Films from Surface Quasi-Elastic Light Scattering
Magnetic Resonance Relaxation and Imaging
Surface Modification for Adhesion Minimization in Aqueous Environments
Atmospheric vs. Low-Pressure Plasma Oxidation of Rubber Surfaces
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Reviews - Synopsis - Dust Jacket

This selection of review papers, taken from the third International Symposium on Polymer Surfaces and Interfaces, held in Durham, UK in July 1997, covers a broad spectrum of surface science techniques and related applications. The topics illustrate surface and interfacial aspects of polymer science, providing the theoretical and technical background necessary to predict the behavior of materials. There are discussions of most of the surface analysis techniques in use today.From the Preface: "...[T]he choice of subjects reflects the beli the organizers that experimental methods of evaluation of polymer surfaces had expanded to such an extent that it would be worthwhile collecting together material on the newer ones which would form suitable starting points for those with a `need to know'. This objective notwithstanding, some of the areas included here are not new. For example, ellipsometry is an old technique but the availability of spectroscopic ellipsometers nowadays has given it added impetus...Similarly, ion beam analysis and surface quasi-elastic light scattering were contributions to the previous volume but although they have matured and deepened now, they are methods whose full exploitation has yet to be realized..."Target Audience: Polymer and surface scientists, chemists, physic and biologists in academia and industry.

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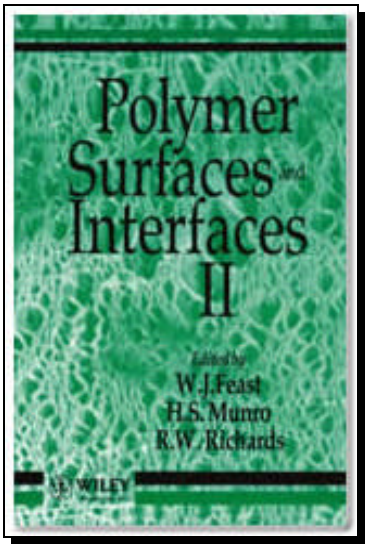
Polymer Surfaces and Interfaces II

Title	Location	Edition / Series / Misc.
1012 **Polymer Surfaces and Interfaces II**		*Edition:*
Author: W.J. Feast, H.S. Munro, and R.W. Richards, eds.	*Dynix:*	*Series:*
Publish.: John Wiley & Sons	*Call No.:*	
- place:	*ISBN:* 471934569	
- date: 1993	*Shelf*	*Year:* 1993
Subject: Surface Characterization and Analysis - Biopolymers and Medical		*Price:* $225.00
Desc: 314 p, 6 x 9 Hardcover Surface Modification		



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis
622 .	Biopolymers and Medical Applications

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Surface Chemistry of Chemically Resistant Polymers
Self-Assembled Molecular Films as Polymer Surface Models
Non-Equilibrium Effects in Polymeric Stabilization
Ion Beam Analysis of Composition Profiles Near Polymer Surfaces and Interfaces
Laser Light Scattering
Characterization of Interfaces in Polymers and Composites Using Raman Spectroscopy
Surface Modification and Analysis of Ultra-High-Modulus Polyethylene Fibres for Composites
SSIMS — An Emerging Technique for the Surface Chemical Analysis of Polymeric Biomaterials
Scanning Probe Microscopy — Current Issues in the Analysis of Polymeric Biomaterials
Surface Grafting of a Thrombin Substrate on a Polymer Membrane and the Inhibition of Thrombin Activity Leading to Non-Thrombogenicity
Acid—Base Effects at Polymer Interfaces
Index

Reviews - Synopsis - Dust Jacket

The papers in this volume were originally presented at a symposium hosted in Durham, England during July 1991 under the auspices of the Royal Society of Chemistry and the Society of the Chemical Industry. These papers present an authoritative overview of technology and research on polymer surfaces by acknowledged experts in their respective fields. Individual reviews address analytical techniques, properties, reactions, modeling, and synthesis of surfaces and interfaces.From the Preface: "...In the intervening time since publication of 1987 volume, new methods of interrogating polymer surfaces have been developed. Two of these, ion beam analysis and surface quasi-elastic light scattering are dealt with here. Additionally, theories of polymers attached to solid surfaces have been vigorously pursued and the survey of these (by Cates) provides a link to the experimental work discussed by Luckham in the 1987 volume..."Target Audience: Polymer scientists, surface scientists, chemists, physicists, materials scientists, and biologists working in industrial and academic laboratories.

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Title	Location	Edition / Series / Misc.

1393 **Polymer Surfaces and Interfaces: Characterization, Modification and Application**

Author: K.L. Mittal and K.-W. Lee, eds.
Publish.: VSP
- place:
- date: 1997
Subject: Polymer Surface Chemistry - Interfacial Engineering and Surface
Desc: 434 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067642177
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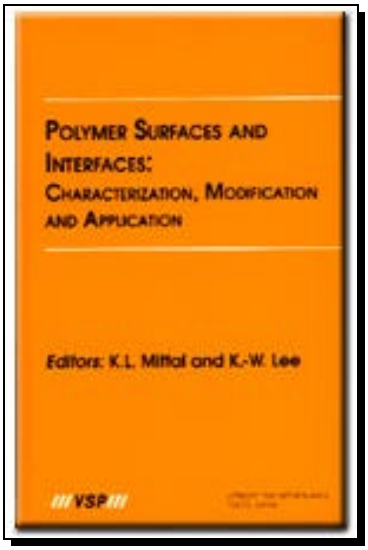
Edition:
Series:
Year: 1997
Price: $98.50



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
602 .	Polymer Surface Modification

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Reviews - Synopsis - Dust Jacket

Polymeric materials are used for a legion of applications across a wide range of disciplines; appropriate control of their surface and interfacial characteristics is of cardinal importance for their use. Therefore, the need to characterize polymer surfaces and interfaces and their suitable modification to impart desired performance characteristics is quite patent. The 26 papers in this volume (originally presented at the Symposium on Polymer Surfaces and Interfaces: Characterization, Modification and Application
this area of polymer science and technology.From the Preface: "...Now turning to this volume, here papers are arranged in a more logical fashion vis-a-vis the order in which they were presented in the symposium. Also, it must be recorded here that all manuscripts were rigorously peer reviewed...and all of them were suitably revised (some extensively, and some two times) before acceptance and inclusion in this volume. In other words, this book is not merely a collection of as-received manuscripts..."Target Audience: Researchers, technologists, and students interested in the science and technology of polymer surfaces and interfaces.Partial Table of Contents:
Polymer Surface Modification and Characterization:
New Approaches for Polymer Surface Modification
Photochemical Modification and Etching of PTFE with Excimer VUV/UV Radiation
Durability of Laser Treated Reinforced PEEK/Epoxy Bonded Joints
Modification of Contact Lens Surfaces: Chemistry and Characterization
Surface Analysis of Polyester Film Modified by Flame and Corona Surface Treatments
Measurements of Thermodynamic Quantities by Means of Solid/Water/Vapour and Solid/Water/Hexadecane SystemsMetal/Polymer Interfaces:
TiW Adhesion to PMDA-ODA Polyimide: Surface and Interface Chemistry
The Effect of NaOH on Metal/Polyimide Adhesion
Bonding at Metal/Self-Assembled Organic Monolayer InterfacesPolymer Alignment Layers for Liquid Crystals:
Modified Cyanoacrylate Films for High Tilt Angle Alignment of Liquid Crystals
Effect of Conductive Polymer Alignment Layers on the Orientational Response of a Liquid Crystal
Liquid Crystal Surface Alignment on Treated and Untreated Polymer Surfaces for LCD Applications
Characteristics of Polyimide Alignment Layers with Different Surface Treatments
Microscopic Molecular Re-Orientation of Polymer Surfaces Induced by Rubbing and Factors Determining LC Pretilt AnglesGeneral Papers:
Plasma-Polymerized Organic Coatings Deposited on Metals from a DC Plasma: Characterization and Corrosion Performance of Such Surface Modifications
Reaction Monitoring in the Epoxy/Fiber Interphase Using Evanescent Wave Fluorimetry — Instrumentation and Methods
The Effects of Polymer Molecular Weight and Temperature on Case II Transport in the Poly(methyl methacrylate)/Methanol System
Polymer Interactions and the Influence of Molecular Structure on Polymer Miscibility

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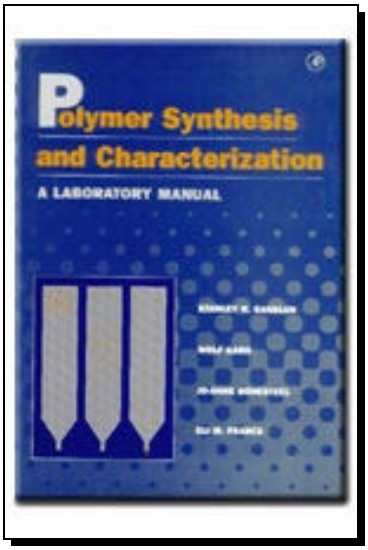
Title	Location	Edition / Series / Misc.

1196 **Polymer Synthesis and Characterization: A Laboratory Manual**

Author:
Publish.: Academic Press
- place:
- date: 1998
Subject: Polymer Characterization - Experimental Design and Analysis -
Desc: 230 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 12618240
Shelf

Edition:
Series:
Year: 1998
Price: $41.50



Subjects

613 .	Polymer Characterization
623 .	Health, Safety, and the Environment
627 .	Experimental Design and Analysis

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Polymerization of Acrylic Esters — Bulk and Suspension Polymerization of Methyl Methacrylate; Redux Polymerization of Ethyl Acrylate
Polyamides — Preparation by an Interfacial Polymerization Technique
Polyesters — Preparation of Poly(1,4-butylene isophthalate)
Epoxy Resins — Preparation of a Cured Epoxy Resin by the Room Temperature Reaction of Bisphenol A Diglycidyl Ether with Polyamines
Polymerization of Vinyl AcetatePolymer Characterization:
Nuclear Magnetic Resonance
Infrared Spectroscopy
Thermogravimetric Analysis
Differential Scanning Calorimetry
Dilute Solution Viscosity of Polymers
Gel Permeation Chromatography
Light Scattering
End Group Analysis
X-Ray Diffraction
Optical Microscopy
Dynamic Mechanical Analysis
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Reviews - Synopsis - Dust Jacket

This laboratory manual provides a comprehensive introduction to an array of important techniques for polymer synthesis and characterization. Each of the 23 experiments is designed to be completed within one laboratory period. The book employs a straightforward approach to concepts and procedures. References are provided to allow more advanced readers to pursue the topics in greater depth.From the Preface: "This laboratory manual contains some of the procedures from the three-volume set of by Stanley R. Sandler and Wolf Karo, as well as new procedures and a new section on polymer characterization involving viscosity, GPC (SEC), NMR, IR, TGA, DSC, and other techniques..."Target Audience: An excellent training tool for educational institutions, professional training programs, or in-house use.

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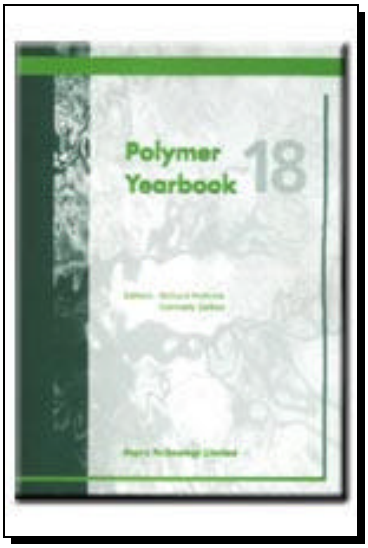
Title	Location	Edition / Series / Misc.

1543 **Polymer Yearbook 18**

Author: Richard A. Pethrick and Gennady E. Zaikov, eds.
Publish.: Rapra
- place:
- date: 2003
Subject: Polymer Science - Recommend this Site
Desc: 426 p, 7.3 x 9.8 Paperback

Dynix:
Call No.:
ISBN: 1859573835
Shelf

Edition:
Series:
Year: 2003
Price: $153.50



Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Advances in the Synthesis of the Poly(perylenecarboximides) and Poly(naphthalenecarboximides)
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Reviews - Synopsis - Dust Jacket

Polymer Yearbook 18
highlight areas of current interest in polymer science. This volume of the annual series (the first published by Rapra) is dedicated to the memory of Professor Karl S. Minsker, and has as a connecting theme the application of fractal analysis to various problems in polymer science, including the curing processes of epoxy resins and a discussion of levels of fractality in polymers. Other topics include synthesis of new materials, the kinetics of polymerization, the characterization of polymer systems, ultrasound influences in extrusion processes, and more.Target Audience: Scientists, researchers, and upper-level students working in polymer science that want a state-of-the-art view of current topics in the field.

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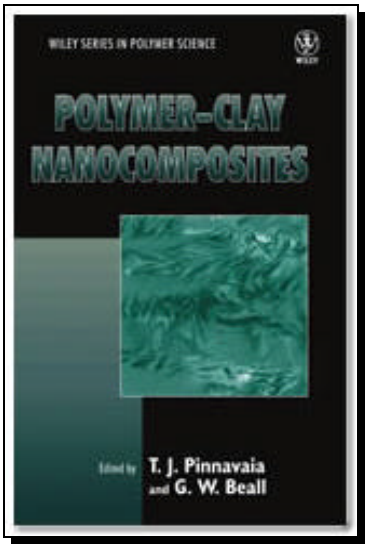
Title	Location	Edition / Series / Misc.

1290 **Polymer-Clay Nanocomposites**

Author: Thomas J. Pinnavaia and G.W. Beall, eds.
Publish.: John Wiley & Sons
- place:
- date: 2000
Subject: Composites. Laminates. and Fibers - Polymer Science
Desc: 368 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471637009
Shelf

Edition:
Series:
Year: 2000
Price: $258.50



Subjects

610 .	Polymer Science
625 .	Composites, Laminates, and Fibers

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Polymer—Clay Intercalates:
Layered Silicate—Polymer Intercalation Compounds
Electroactive Polymers Intercalated in Clays and Related Solids
Polymer—Clay Nanocomposites Derived from Polymer—Silicate Gels
Polymerization of Organic Monomers and Biomolecules on Hectorite
Nanocomposite Synthesis and Properties:Polymer—Clay Nanocomposites
In Situ Polymerization Route to Nylon 6—Clay Nanocomposites
Epoxy—Clay Nanocomposites
Polypropylene—Clay Nanocomposites
Polyethylene Terephthalate—Clay NanocompositesSpecial Properties and Applications:Polymer—Layered Silicate Nanocomposites with Conventional Flame
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Reviews - Synopsis - Dust Jacket

Polymer—clay nanocomposites are formed through the union of two very different materials with organic and mineral pedigrees. The hybrid compositions, however, exhibit large increases in tensile strength, modulus, and heat distortion temperature as compared with the pristine polymer. The composites also have lower water sensitivity, reduced permeability to gases, and a smaller thermal coefficient of expansion. Additionally, nanocomposites impart a level of flame retardance and UV resistance — all without any loss of clarity.Polymer—Clay Nanocomposites overview of the state of the art of these materials since they were first reported a decade ago. Covering both theory and practical applications, this volume discusses the preparation and general properties of thermoplastic and thermoset nanocomposites, the structural and rheological factors influencing performance and processing properties, polymer—clay intercalates, and more.From the Preface: "...This volume presents a broad view of the state of polymer—clay nanocomposites from a theoretical as well as a practical viewpoint. We have arranged the fifteen contributions according to the following four sections: I. Polymer—Clay Intercalates; II. Nanocomposite Synthesis and Properties; III. Special Properties and Applications; IV. Structure and Rheology...It is hoped that this volume will spur further research and advances in this fascinating field and ultimately lead to the widespread use of nanocomposites commercially."Target Audience: Polymer and materials scientists, composites formulators, materials engineers, resin producers, fillers and additive producers, organic and inorganic chemists, and graduate students interested in these materials.

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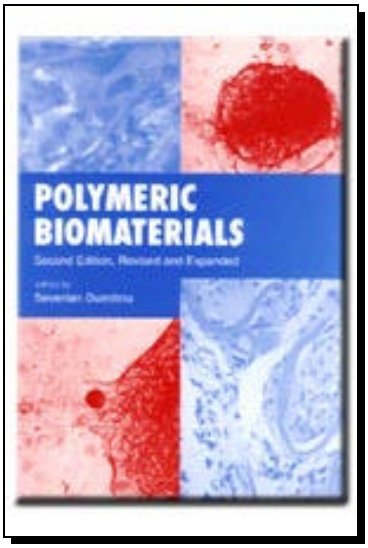
Title	Location	Edition / Series / Misc.

1370 **Polymeric Biomaterials, 2nd Ed.**

Author: Severian Dumitriu, ed.
Publish.: Marcel Dekker
- place:
- date: 2002
Subject: Biopolymers and Medical Applications - Polymer Science
Desc: 1184 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 824705696
Shelf

Edition:
Series:
Year: 2002
Price: $233.50



Subjects

610 .	Polymer Science
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

This revised edition contains 80% new material, including the latest developments in genetic engineering, synthesis of hydrogels, biodegradable polymers, and mucoadhesive polymers, as well as polymers for dermacosmetic treatments, burn and wound dressings, orthopedic surgery, artificial joints, and vascular prosthesis.Polymeric Biomaterials structural properties of polysaccharides and synthetic and biodegradable polymers, providing current applications of biomaterials and polymers for drug delivery, tissue engineering, biomedical sensing, and skin grafting, and as medical adhesives and textiles. It also covers targeted drug delivery to the nervous system, gastrointestinal tract, and kidneys; the emerging role of liposomes as gene carriers and in cancer therapy, modern textile-based biomaterials for surgical applications; novel techniques in biomimetic polymer preparation; contemporary uses for polymers in dental and maxillofacial surgery; and more. Contains over 7000 references.From the Preface: "...From a practical perspe medical applications of polymers fall into three broad categories: (1) extracorporeal uses (catheters, tubing, and fluid lines; dialysis membranes/artificial kidney; ocular devices; wound dressings and artificial skin), (2) permanently implanted devices (sensory devices; cardiovascular devices; orthopedic devices; dental devices), and (3) temporary implants (degradable sutures; implantable drug delivery systems; polymeric scaffolds for cell or tissue transplants; temporary vascular grafts and arterial stents; temporary small bone fixation devices)..."Target Audience: Plastics and biomedical engin polymer scientists, biochemists, molecular biologists, macromolecular chemists, pharmacists, cardiovascular and plastic surgeons, and upper-level students in these disciplines.Partial Table of Contents:

Polymers as Biomaterials:
Polysaccharides as Biomaterials
Biodegradable Polymers as Drug Carrier Systems
Chitosan: Structure—Property Relationship and Biomedical Applications
Chitosan-Based Delivery Systems: Physicochemical Properties and Pharmaceutical Applications
Immobilization of Active Biopolymers from Cold Plasma-Funtionalized Surfaces for the Creation of Molecular Recognition and Molecular Manufacturing Systems
Biocompatibility of ElastomersMedical and Pharmaceutical Applications of Polymers:
Polymeric Systems for Ophthalmic Drug Delivery
Dermocosmetic Applications of Polymeric Biomaterials
Textile-Based Biomaterials for Surgical Applications
Blood-Contacting Polymers
Surface Modification of Dacron Vascular Grafts: Incorporation of Antithrombin and Mitogenic Properties
Antithrombin—Heparin Complexes
Adhesives for Medical Applications
Polymeric Micro- and Nanoparticles as Drug Carriers
Liposomes in Drug Delivery
Anticancer Drug Conjugates with Macromolecular Carriers
Enzyme—Prodrug Therapies of Cancer
Bioartificial Pancreas

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Transdermal Delivery of Drugs
Drug Delivery via Mucosal Routes
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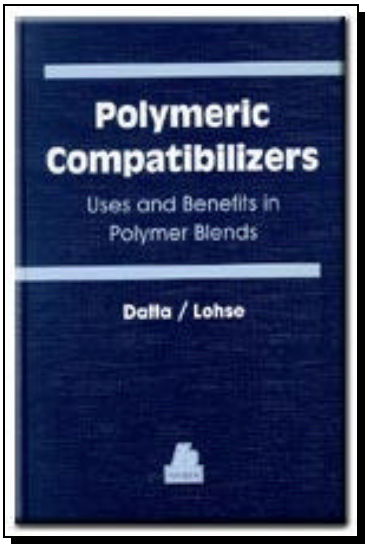
Title	Location	Edition / Series / Misc.

1044 **Polymeric Compatibilizers: Uses and Benefits in Polymer Blends**

Author: Sudhin Datta and David J. Lohse
Publish.: Hanser Gardner
- place:
- date: 1996
Subject: Additives - Polvmer Science
Desc: 550 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569901945
Shelf

Edition:
Series:
Year: 1996
Price: $138.50



Subjects

610 .	Polymer Science
611 .	Additives

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Polybutadiene Compatibilizers
Silicone Rubber Compatibilizers
Styrene Block Polymer Compatibilizers
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Compatibilizers of Carbonyl Backbone Polymers
Polyether Compatibilizers
Polystyrene and Styrene Copolymer Compatibilizers
ABS Compatibilizers
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Reviews - Synopsis - Dust Jacket

Compatibilization of polymer blends through the addition of block and graft copolymers has become increasingly important as a means to produce new polymeric materials from existing polymers with an attractive balance of physical properties. This book describes the physical and chemical bases of compatibilizers and the ways they have been synthesized. This reference surveys the application of compatibilization to many polymer blends.From the Preface: "...[M]any of the good properties of polymer blends come from their two-phase nature, but it is critical to control the size of the phases to control these properties. This is because the important mechanical, transport, and optical properties of a blend of macromolecules depend critically on the sizes of the phases. Because of this a large fraction of the work on blends has focused on methods to control and stabilize the morphology. One of the most successful techniques is the use of graft and block copolymers as polymeric compatibilizers, which is the subject of this book..."Target Audience: Polymer chemists, materials scientists, and others concerned with the development of new polymer blends and the use of polymeric compatibilizers.

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Polymeric Multicomponent Materials: An Introduction

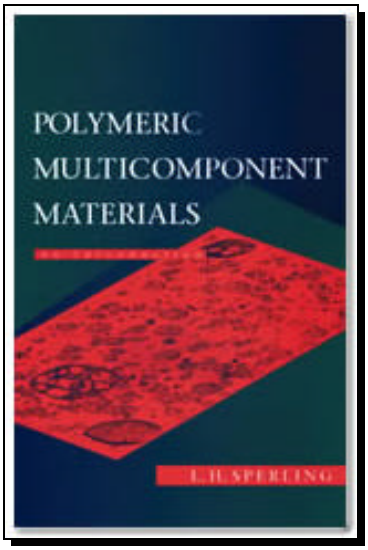
Title	Location	Edition / Series / Misc.

1169 **Polymeric Multicomponent Materials: An Introduction**

Author: L.H. Sperling
Publish.: Wiley - Interscience
- place:
- date: 1997
Subject: Materials Science - Colloids and Emulsions - Composites, Laminate
Desc: 415 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471041386
Shelf

Edition:
Series:
Year: 1997
Price: $93.50



Subjects

609 .	Materials Science
621 .	Colloids and Emulsions
625 .	Composites, Laminates, and Fibers

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Fundamental Relationships:
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Block Copolymers and Thermoplastic Elastomers
Interpenetrating Polymer Networks
Overview and Future
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Reviews - Synopsis - Dust Jacket

This comprehensive review covers essential terms, concepts, theories, and experimental data concerning polymer—polymer and polymer—nonpolymer combinations; the theory and importance of polymer surfaces and interfaces; and a variety of engineering polymer materials and systems, including specific applications.Emphasizing synthesis and mechanical behavior throughout, Multicomponent Materials: An Overview physical aspects of both thermoplastics and thermosets. It provides in-depth coverage of most polymeric multicomponent materials currently being synthesized, including toughened plastics, reinforced elastomers, polymer blends, interpenetrating polymer networks, graft and block copolymers, and reinforcing and filling agents. Applications for impact-resistant plastics, structural copmposites, coatings, carbon black-reinforced elastomers, and fiber-reinforced plastics are also explored.From the Preface: "...Here, I must confess one of the secrets of why I write books: It is a form of self-education. I laid out a map of current readings for me to do, conferences to participate in, people to speak with, and so on. This, indeed, was 80-90% of the work of preparing the book...Of course, there is another important reason why I wrote this book: No modern text covering the basics of the field seemed to exist. There was nothing to teach from except notes. It was obvious that professionals also lacked a modern book for an introduction to the field..."Target Audience: Professionals and upper-level students in polymer science and engineering, chemistry, chemical engineering, materials science and engineering, physics, and mechanical engineering.

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Title	Location	Edition / Series / Misc.

1101 **Polymeric Seals and Sealing Technology (Rapra Review Report 96)**

Author: J.A. Hickman
Publish.: Rapra
- place:
- date: 1995
Subject: Plastics Processing Technology - Materials Science
Desc: 117 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859570968
Shelf

Edition:
Series:
Year: 1995
Price: $123.50

Subjects

609 .	Materials Science
628 .	Plastics Processing Technology

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Polymers in Building and Construction (Rapra Review Report 154)

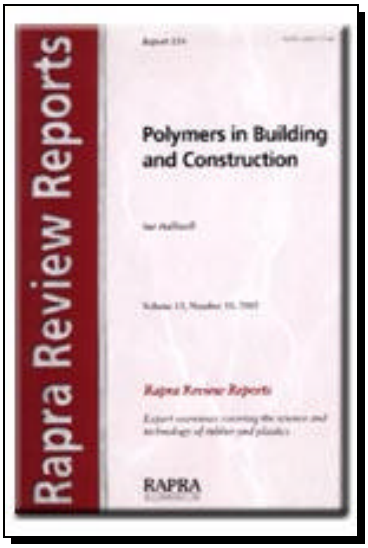
Title	Location	Edition / Series / Misc.

1505 **Polymers in Building and Construction (Rapra Review Report 154)**

Author: Sue Halliwell
Publish.: Rapra
- place:
- date: 2002
Subject: General Reference - Materials Science
Desc: 136 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859573622
Shelf

Edition:
Series:
Year: 2002
Price: $123.50



Subjects

604 .	General Reference
609 .	Materials Science

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Polymer Concrete
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Subject Index

Reviews - Synopsis - Dust Jacket

This review addresses the current building and construction marketplace, and the applications and potentials for a wide range of polymer materials, including bulk polymers, foams, FRPs, polymer concrete, and adhesives and sealants, with discussions of critical properties such as mechanical strength, weathering, permeability, flammability, and thermal conductivity. The review is technical, yet accessible to readers from a wide range of backgrounds.From the Introduction: "...The purpose of this review is to outline the nature, culture and trends of the construction industry, introduce the main types of polymers used in building and construction, highlight the properties which make them a suitable choice of material and present several examples of their application. The report also introduces the main regulatory constraints on the industry."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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Polymers in Dispersed Media I (Macromolecular Symposia 150)

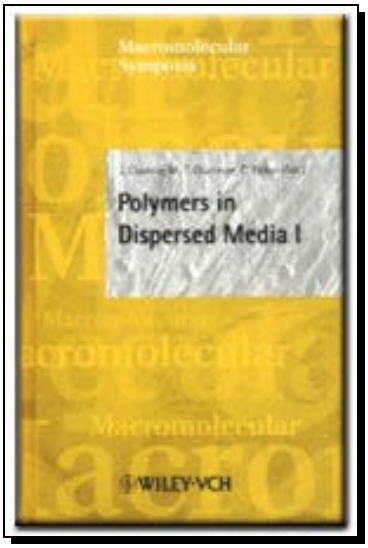
Title	Location	Edition / Series / Misc.

1352 **Polymers in Dispersed Media I (Macromolecular Symposia 150)**

Author:
Publish.: Wiley - VCH
- place:
- date: 2000
Subject: Polymer Science - Colloids and Emulsions
Desc: 344 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 3527301291
Shelf

Edition:
Series:
Year: 2000
Price: $155.00



Subjects

610 .	Polymer Science
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

Polymers in Dispersed Media I
set which addresses three primary topics: polymerization in dispersed
media, unconventional dispersion of polymers, and properties and
applications of dispersed media — the first topic is discussed in this
volume. The papers were originally presented at the International
Conference on Polymers in Dispersed Media, held in Lyons, France in 1999.From the Preface: "...The present
symposium was more widely opened to
several major topics related to preparation, characterization and
properties of dispersed polymers. The focus was not only on the production
through heterogeneous media (emulsion, dispersion, suspension, etc.) but
also by other methods including blends, reactive processing, ring-opening
polyermization, etc. leading to dispersed polymer materials with a broad
range of particle size compositions and structures..."Target Audience: Polymer chemists; professionals and resear
in the
polymers and plastics industriesPartial Table of Contents:Nucleation in Heterophase Polymerizations
Diffusional Limitations in Emulsion Polymerization
Controlled Radical Polymerization in Dispersed Media
Atom Transfer Radical Polymerization in Emulsion
Emulsion Polymerization of Ethylene in Water Media, Catalysed by
Organotransition Metal Complexes
Using Mechanisms to Make Seemingly Impossible Latexes and Polymers
Measuring the Effectiveness of n-dodecanethiol as a Chain Transfer
Agent in Styrene Emulsion Polymerization
The On-line Monitoring of Methyl Methacrylate—Vinyl Acetate Emulsion
Copolymerization
A New Kinetic Model of Emulsifier-Free Emulsion Polymerization
Cyclodextrins in the Emulsion Polymerization on Vinyl Monomers
Synthesis and Characterization of Monoalkyl Maleates and Their Use in
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Recent Developments in Miniemulsions — Formation and Stability
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href="http://www.polysurfacesbookstore.com/pages/3595.html">Polymers in
Dispersed Media II (Macromolecular Symposia 151)
volume to this title.

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Title	Location	Edition / Series / Misc.

1553 **Polymers in Dispersed Media II (Macromolecular Symposia 151)**

Author: Jerome Claverie, Marie-Therese Charreyre, and Christian Pichot, e
Publish.: Wiley - VCH
- place:
- date: 2000
Subject: Polymer Science
Desc: 330 p., 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 3527301305
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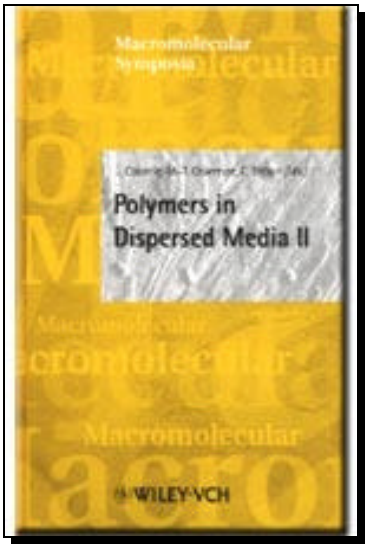
Edition:
Series:
Year: 2000
Price: $155.00



Subjects

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Film-Forming Colloidal Dispersions Studied by Tracer Methods

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Synthesis and Characterization of Core—Shell Colloids with Fluorocarbon Cores

Interfacial Tension and a Volume Phase Transition of Microgel Particles

Molecular Characterization of Styrene/Butyl Acrylate/Acrylic Acid/Methacyrlamide Copolymers Prepared by Emuls Polymerization

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Miniemulsion Polymerization: Applications and New Materials

High Solids Polymer Dispersions

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Versatility of Thermosensitive Particles

Emulsion Polymerization Grafting of Methyl Methacrylate onto Short Leather Fibers

Copper-mediated Graft Copolymerization of Methyl Methacrylate onto Casein

Reviews - Synopsis - Dust Jacket

Polymers in Dispersed Media II is the second part of a two volume set which addresses three primary topics: polymerization in dispersed media, unconventional dispersion of polymers, and properties and applications of dispe media — the latter two subjects are addressed in this volume. The papers were originally presented at the Internatic Conference on Polymers in Dispersed Media, held in Lyons, France in 1999.

Target Audience: Polymer Chemists; professionals and researchers in the polymers and plastics industries.

Note: Polymers in Dispersed Media I (Macromolecular Symposia 150) is a companion volume to this title.

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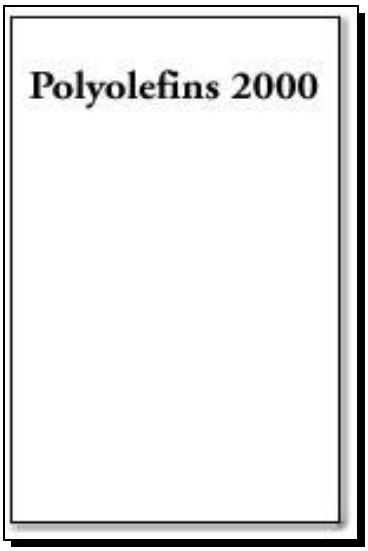
Polyolefins 2000: The International Conference on Polyolefins

Title	Location	Edition / Series / Misc.

1278 **Polyolefins 2000: The International Conference on Polyolefins**

Author:		*Dynix:*	*Edition:*
Publish.: SPE		*Call No.:*	*Series:*
- place:		*ISBN:*	
- date: 2001		*Shelf*	*Year:* 2001
Subject: Plastics Processing Technology - Additives - Converting Technolog			*Price:* $128.50
Desc: 768 p, 8.5 x 11 Paperback			



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Reviews - Synopsis - Dust Jacket

These 54 papers were originally presented at the Society of Plastics Engineers Conference on Polyolefins, held in Houston, TX, February 27 - March 1, 2000. Topics addressed include advances in technology and licensing opportunities; polypropylene industry trends; mechanistic studies of long-chain branch formation in polyethylene; metallocene based branch-block copolymers; design philosophy of co-extrusion blown film die systems; new converting equipment technology; effect of polymer morphology on water vapor transmission rates (WVTR) of HDPE blown films; advances in flame retardant systems; and much more.Target Audience: Researchers and technologists in industry and academ who are concerned with new developments in polyolefins.Brief Table of Contents:Expanding Role of Polyolefins
Licensing Technologies & Commercialization
Packaging Applications
Polymerization and Catalysis
Conversion Equipment and Applications
Film and Fiber Applications
Fillers and Modifiers
Stabilizer Additives
Elastic Polyolefins and Applications

Subjects

611 .	Additives
620 .	Converting Technology
628 .	Plastics Processing Technology

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Title	Location	Edition / Series / Misc.

1107 **Polypropylene Handbook**

Author: Edward P. Moore, Jr., ed.
Publish.: Hanser Gardner
- place:
- date: 1996
Subject: Plastics Processing Technology - Additives - Polymer Science
Desc: 439 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902089
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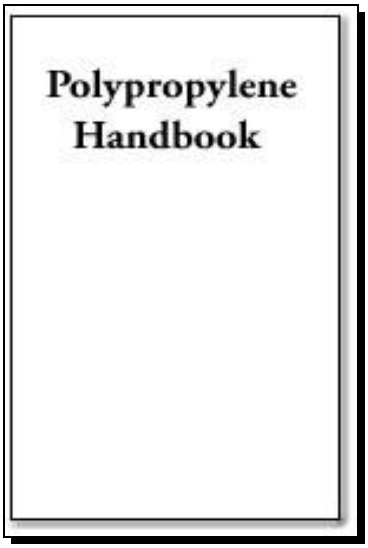
Edition:
Series:
Year: 1996
Price: $185.00



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610 .	Polymer Science
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Reviews - Synopsis - Dust Jacket

The focus of interest in polypropylene has shifted over the last four decades from the first catalysts to the growing applications, then accelerating interest in the manufacturing process, leading to several new rounds of catalysts, processes, polymers, and applications, with most of the latest round occuring in the last ten or fifteen years. The pace and magnitude of the recent changes, which first became visible in the 1980s, have constituted a virtual revolution.The the PP industry. At its core is a detailed description of the polymerization, the catalyst, and the breakthroughs that occured there. It describes the morphology, characterization, stabilization, and properties of the different types of PP, the manufacturing, environmental and regulatory considerations, fabrication processes, and applications of polypropylene.From the Preface: "...This book is an attempt to present, in one comprehensive document, new state of the PP industry, and to record and explain those fast-moving technological and business events that have resulted from the recent revolution, all in the light of the four-decade PP experience..."Target Audience: Every professional or upper-level student interested in the business, technology, and science of polypropylene.

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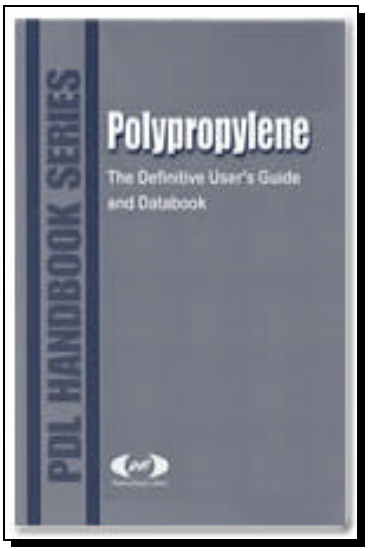
Polypropylene: The Definitive User's Guide

Title	Location	Edition / Series / Misc.
1098 **Polypropylene: The Definitive User's Guide**		*Edition:*
Author: Clive Maier and Teresa Calafut	*Dynix:*	*Series:*
Publish.: Plastics Design Library	*Call No.:*	
- place:	*ISBN:* 1884207588	
- date: 1998	*Shelf*	*Year:* 1998
Subject: Plastics Processing Technology - Extrusion - Materials Science -		*Price:* $205.00
Desc: 452 p, 8.5 x 11 Hardcover		



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Reviews - Synopsis - Dust Jacket

This single volume user's guide presents a panoramic overview of polypropylene. It examines every aspect of the subject, discussing the science, technology, engineering, properties, design, processing, and applications of polypropylene. Thus, specialists can not only find the information they need, but can also understand the needs and requirements of others in the product development chain. This complete workbook and reference resource is underpinned by a vast collection of property data — presented as textual discussions, images, graphs, and tables — that allows the reader to put the information to real commercial and industrial use.From the Foreword: "...As evidenced by the extensive list of sources consulted to compile this volume, the information reflects a comprehensive review of the results of current research and practical knowledge about polypropylene...This volume is unique, is certainly a complement to previous work on the subject and is sure to provide its user years of help in making decisions and solving problems."Target Audience: Polymer scientists, plastics engineers, processing technologists, product designers, machinery and mold makers, product managers, end users, researchers, and students concerned with polypropylene.

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Title	Location	Edition / Series / Misc.

1496 **Polyurethanes Book**

Author: David Randall and Stephen Lee, eds.
Publish.: John Wiley & Sons
- place:
- date: 2002
Subject: Polymer Science - Recommend this Site
Desc: 498 p, 7.5 x 10.2 Hardcover

Dynix:
Call No.:
ISBN: 470850418
Shelf

Edition:
Series:
Year: 2002
Price: $153.50

Subjects

610 .	Polymer Science
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

Since the first Polyurethanes book was published in 1987, and updated in 1990, the world of polyurethanes has changed dramatically. This edition has been completely restructured, rewritten, and enlarged by some 50%. It provides a greater focus on the whole range of components used to produce polyurethanes, a more detailed analysis of environmental issues, and extended views on the applications of polyurethanes. The presentation is equally friendly to those with limited knowledge of chemistry and to the more chemically-minded.From the Foreword: "...This publication first appeared as Polyurethanes Book owners since 1999, we publish original purpose was to reflect an understadning of the production, properties and potential of polyurethanes. Our parent has changed, but the purpose of this book is the same..."Target Audience: Any reader interested in the science, technology, or commercial aspects of polyurethanes.

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Polyurethanes in Biomedical Applications

LASCT Holdings - maximum detail by Title **P**

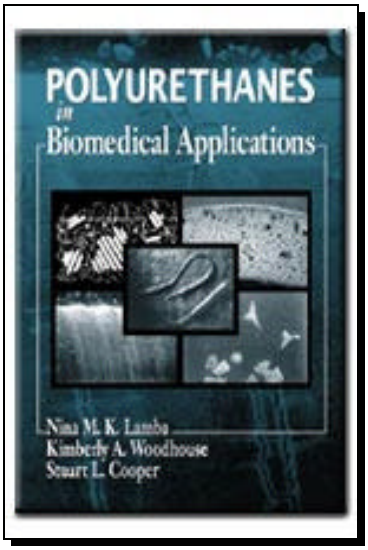
Title	Location	Edition / Series / Misc.

1256 **Polyurethanes in Biomedical Applications**

Author:
Publish.: CRC Press
- place:
- date: 1998
Subject: Biopolymers and Medical Applications - Plastics Processing
Desc: 286 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849345170
Shelf

Edition:
Series:
Year: 1998
Price: $141.50



Subjects

613 .	Polymer Characterization
622 .	Biopolymers and Medical Applications
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This book studies the use of polyurethanes in implanted medical devices. Topics include the underlying principles of biomaterials science, issues related to synthetic materials in medical devices, and future direction of polyurethanes in medicine.Polyurethanes in Biomedical Applications polymer science, the manufacture of polyurethanes, and the biological responses to implant polyurethanes, reflecting the developments in biomaterials science and the interdisciplinary nature of bioengineering. It examines polyurethane use and performance in such areas as cardivascular implants, artificial organs, soft-tissue implants, and genito-urinary devices.From the Preface: "...We are aware most readers will be relatively unfamiliar with some areas covered by this book. Therefore, preliminary and introductory information has been included to allow a reader new to the field of biomaterials to understand the underlying principles, and to appreciate the reviews and discussions in each chapter and how these issues relate to the use of synthetic materials in medical devices..."Target Audience: Materials and life scientists, biotechnologists, engineers, clinicians, and others involved in or studying implanted medical devices or polyurethane's medical markets.

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Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert

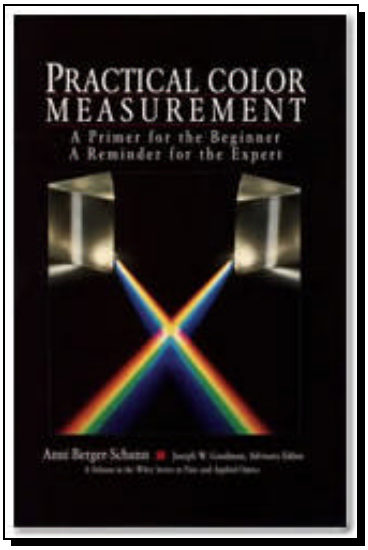
Title	Location	Edition / Series / Misc.

1035 **Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert**

Author: Annie Berger-Schunn
Publish.: Wiley - Interscience
- place:
- date: 1994
Subject: Color Theory, Testing, and Analysis - Paints and Protective Coating
Desc: 190 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471004170
Shelf

Edition:
Series:
Year: 1994
Price: $88.50



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607 .	QA/QC, Statistics, and Testing
617 .	Paints and Protective Coatings
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Reviews - Synopsis - Dust Jacket

This brief but comprehensive text presents a wealth of information on the principles and limitations of computerized color measurement systems. Mathematics and optical theory are kept to a minimum; instead, numerous real-life examples based on normal production samples are presented, with in-depth discussions.Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert
the numbers supplied by color measurement systems; determine just how large the difference between two samples is; use the measuring technique to help reproduce the color of a sample; and more.From the Preface: "...The use of color measurement systems g unquestionable advantages, but there are also disadvantages. Among the advantages are the determination of the lowest cost of coloration and the much shorter time required for color matching. The possibilites for statistical quality control can be achieved only when data can be stored. This possibility will be more important in the future...The disadvantages are not so easy to see...[T]he color sensation is an effect in the mind of the viewer. To describe color sensation with numbers or, better stated, to describe the color of a sample with numbers, special agreed-on premises are necessary, which are not always given..."Target Audience: Readers working in color-sensitive industries suc paints and coatings, printing, paper manufacturing, dye, pigment, and colorant producers; also for producers of finished products such as automobiles, textiles, and molded plastic parts.

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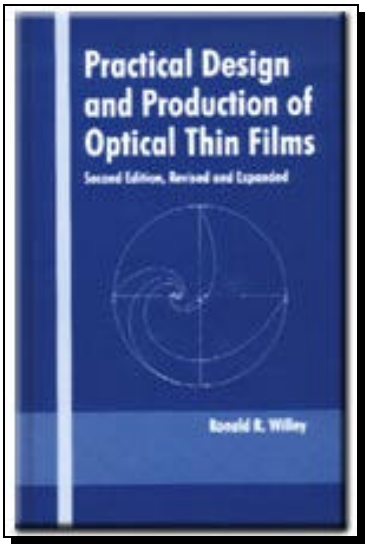
Title	Location	Edition / Series / Misc.

1452 **Practical Design and Production of Optical Thin Films, 2nd Ed.**

Author: Ronald R. Willey
Publish.: Marcel Dekker
- place:
- date: 2002
Subject: Coating Processes - Recommend this Site
Desc: 560 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824708490
Shelf

Edition:
Series:
Year: 2002
Price: $161.50



Subjects

235 .	Coating processes
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

The second edition of this reference/text provides insider viewpoints and perspectives unavaliable in any other resource. It offers useful guidelines and tools to produce effective coatings and films, with expanded discussions of design visualization, dense wavelength division multiplexing, new coating equipment, electrochromic and chemically active coatings, ion-assisted deposition, and optical monitoring sensitivity.Practical Design and Production of Optical Thin real-world examples and know-how, assisting the reader in formulating films and coatings. Topics include the use of design of experiments methodology for process development, optimization, and stabilization; prediction of design performance and reliability; time- and cost-effective procedures in coating production; an introduction to Fourier analysis and synthesis without difficult mathematical concepts and equations; and more. From the Preface: “This book deals with the basic understanding, design, and practical production of optical thin films, or interference coatings...Emphasis is placed on gaining insight and understanding through viewpoints not found in existing books. The approaches are primarily empirical and graphical. Extensive mathematical derivations have been well covered in other texts, but there remains a need for additional guidance for coating engineers who must design and produce coatings...”Target Audience: Optical thin film designers, resear scientists and technicians; thin film process engineers, production engineers, and operators; optical engineers and designers; and upper-level students in these disciplines.Brief Table of Contents:Fundamentals of Thin Film Optics and the Use of Graphical Methods in Thin Film Design
Estimating What Can Be Done Before Designing
Fourier Viewpoint of Optical Coatings
Typical Equipment for Optical Coating Production
Materials and Process Know-How
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Monitoring and Control of Thin Film Growth
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Practical Guide to Chemical Safety Testing: Regulatory Consequences - Chemicals, Food Packaging and Medical

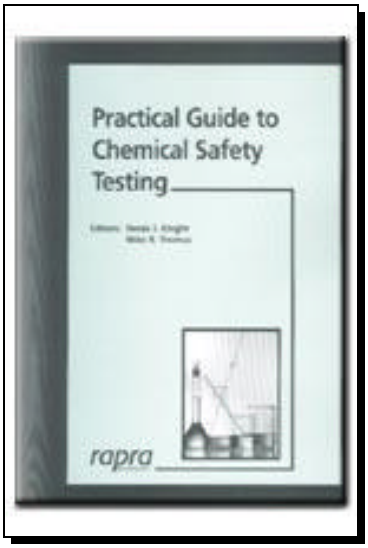
Title	Location	Edition / Series / Misc.

1518 **Practical Guide to Chemical Safety Testing: Regulatory Consequences - Chemicals, Food Pac**

Author: Derek J. Night and Mike B. Thomas, eds.
Publish.: Rapra
- place:
- date: 2003
Subject: Health. Safety. and the Environment - Recommend this Site
Desc: 468 p, 7.2 x 9.8 Paperback

Dynix:
Call No.:
ISBN: 185957372
Shelf

Edition:
Series:
Year: 2003
Price: $151.50



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623 .	Health, Safety, and the Environment
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

A Practical Guide to Chemical Safety Testing
different tests that must be performed on new chemicals and other materials to demonstrate to regulatory authorities that they are safe for use. Tests vary from physico-chemical, measuring properties such as melting point and density, through genetic toxicity studies, to mammalian toxicology and studies to investigate effects on the environment. Each test type is described here and the validity of the test methods is debated. The book clearly describes the process of obtaining approval for use in a variety of global regions.From the Preface: “This [book] covers the basis of toxicology in relation to the safety assessment and regulatory requirements for chemicals, plastics, and rubber. It is aimed at manufacturers, distributors and users and hence covers industrial and household chemicals, food packaging, and medical devices. The emphasis is on providing a basis of understanding of toxicology, ecotoxicology and physico-chemical properties for hazard assessment and interpretation within risk assessment and regulatory frameworks...”Target Audience: Manufacturers of chemicals, plastics, rubbe packaging, medical devices, and related goods.

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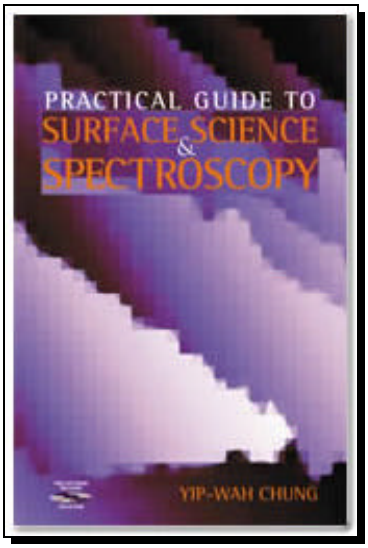
Title	Location	Edition / Series / Misc.

1295 **Practical Guide to Surface Science and Spectroscopy**

Author: Yip-Wah Chung
Publish.: Academic Press
- place:
- date: 2001
Subject: Surface Characterization and Analysis - Recommend this Site
Desc: 200 p, 6 x 9 Hardcover with CD-ROM

Dynix:
Call No.:
ISBN: 121746100
Shelf

Edition:
Series:
Year: 2001
Price: $63.50



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608 .	Surface Characterization and Analysis
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Reviews - Synopsis - Dust Jacket

Since a material interacts with the outside world through its surfaces, it is easy to appreciate the significance of surface science in engineering disciplines such as catalysis, corrosion, thin-film growth, alloy design, micro/nano-electromechanical systems, tribology, semiconductors, and magnetic storage devices. This book provides a concise and accessible introduction to a wide range of surface science topics, including ultrahigh vacuum, commonly used surface analytical techniques, and various surface phenomena. For each topic, both theoretical and practical aspects are explored.Practical Guide to Surface Science & Spectroscopy more than 100 examples, discussion questions, and problems with varying levels of difficulty. Included with this book is a CD-ROM that not only contains the same information, but also provides many elements of animation and interaction that are not easily emulated on paper. The interactive component is especially helpful in conveying difficult concepts and in aiding the retention of important information.From the Preface: "...Modern surface science probably began sometime in the late 1950s and early 1960s, when ultrahigh vacuum technology became widely accessible. Ultrahigh vacuum provides the necessary environment to prepare and maintain well-defined surfaces long enough for experimental studies. Soon afterward, many electron-based spectroscopy techniques were developed, providing information on composition, structure, and electronic properties of surfaces..."Target Audience: Senior undergraduates and first-year graduate students, as well as practicing engineers who wish to learn the basic principles and practice of ultrahigh vacuum, surface analytical techniques, and surface science.

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Title	Location	Edition / Series / Misc.

1289 **Practical Problem Solving in HPLC**

Author: Stavros Kromidas
Publish.: Wiley - VCH
- place:
- date: 2000
Subject: OA/OC. Statistics. and Testing - Polymer Characterization
Desc: 194 p. 6.8 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 3527298428
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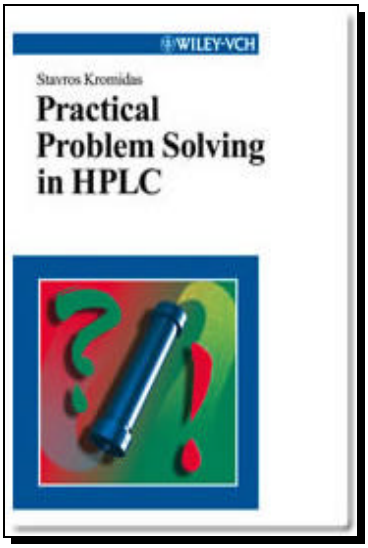
Edition:
Series:
Year: 2000
Price: $45.00



Subjects

607 .	QA/QC, Statistics, and Testing
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

This book provides quick and easy solutions to 45 typical questions posed by HPLC users, with coverage of simple equipment tests, selection criteria for columns, buffers, etc., and options for optimizing separations.
special chapter on the separation of ionic compounds on RP material by R. LoBrutto and Y. Kazakevich. It is a first-aid kit for every HPLC user.From the Preface: "...[These] 'tips' are all about answers and help. At the same time, they try to point out connections and give explanations in compact form. Language, style and construction of the book serve only one purpose: to make it an easy-to-read companion in the HPLC laboratory. It should not be thought of as a textbook. The reader should acquire the basics of HPLC from the literature on the subject..."Target Audience: Everyone who needs to improve proficiency in HPLC.

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Premanufacture Notification: Chemistry Assistance for Submitters

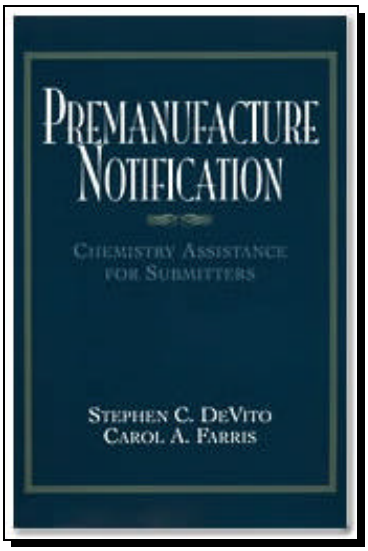
Title	Location	Edition / Series / Misc.

1062 **Premanufacture Notification: Chemistry Assistance for Submitters**

Author: Stephen C. DeVito and Carol A. Farris
Publish.: John Wiley & Sons
- place:
- date: 1997
Subject: Patents and Intellectual Property - General Reference - Health. Safet
Desc: 144 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 471191515
Shelf

Edition:
Series:
Year: 1997
Price: $35.00



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Reviews - Synopsis - Dust Jacket

This reference guide offers a behind-the-scenes look at the process of EPA review of premanufacture notifications (PMNs) for new chemical substances. This valuable technical guide helps the reader shorten the learning curve and facilitates the EPA's accurate review of new chemicals. It contains all the important information needed to guide a new chemical product through the sometimes seemingly serpentine approval process.From the Preface: "...The purpose of this b to assist submitters
in the technical aspects of PMN preparation. EPA's hope is that, with this information, submitters will be able to develop more physicochemical property data and other technical information for their new substances so that the Agency's ability to perform accurate risk assessments will increase..."Target Audience: All chemists, technologists, and chemical product developers involved in the approval process.

Subjects

604 .	General Reference
619 .	Patents and Intellectual Property
623 .	Health, Safety, and the Environment

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Title	Location	Edition / Series / Misc.

1218 **Preparing Scientific Illustrations: A Guide to Better Posters, Presentations, and Publications,**

Author: Mary Helen Briscoe
Publish.: Springer
- place:
- date: 1996
Subject: General Reference - Recommend this Site
Desc: 216 p, 7 x 10 Paperback

Dynix:
Call No.:
ISBN: 387945814
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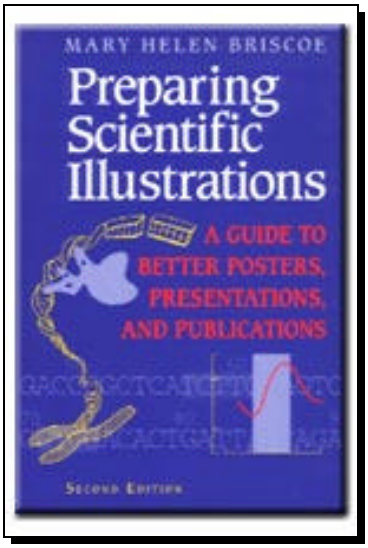
Edition:
Series:
Year: 1996
Price: $35.00



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715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This handy book explains the strengths and weaknesses of different forms of visual presentations. It shows examples of bad, good, and excellent graphs and tables, while demonstrating how much information can be conveyed by one. The book promotes an audience-based perspective, helping the reader understand why, for example, a figure prepared for a peer-reviewed journal article may not be appropriate as a slide or overhead projection.From the Introduction: “The purpose of this book is to help scientists make effective choices by pointing out some principles of good visual communication and by showing examples of good and bad choices...[B]ecause so many of us learn through pictures, visual communication is an important, sometimes essential, and certainly effective way to inform...”Target Audience: Scientists, educators, stu commercial researchers and technologists, and any other individual who must produce scientific illustrations.

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Title	Location	Edition / Series / Misc.

1042 **Pressure-Sensitive Adhesives Technology**

Author: Istvan Benedek and Luc J. Heymans
Publish.: Marcel Dekker
- place:
- date: 1997
Subject: Adhesives and Adhesion - Coating Processes
Desc: 610 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824797655
Shelf

Edition:
Series:
Year: 1997
Price: $181.50

Subjects

235 .	Coating processes
606 .	Adhesives and Adhesion

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Reviews - Synopsis - Dust Jacket

This comprehensive resource investigates and summarizes the important features of pressure-sensitive adhesive technology. Its primary focus is on labels — the most complex self-adhesive laminate — but the discussion is extended to other applications where appropriate.Pressure-Sensitive Adhesives Technology industrial problems, investigating them in a scientific fashion, and then presenting practical solutions based on the underlying principles. The book is extensively indexed and includes over 1,300 bibliographic citations.From the Preface: "...The application of pressure-sensitive adhesives requires a thorough knowledge of basic rheological and viscoelastic phenomena. Adhesive and polymer scientists, however, are not very often employed as industrial managers or machine operators. Therefore the need arises to investigate and summarize the most important features of pressure-sensitive adhesive technology and to explain the phenomena scientifically. This book covers all the fields of manufacturing, conversion, and application and end-uses of pressure-sensitive adhesives...It is not the aim of this book to establish or complete the science of pressure-sensitive adhesives, nor does it constitute a series of recipes. Rather, it serves as a practical aid to convertors and those involved in the design and use of pressure-sensitive adhesives."Target Audience: Physical, surface, colloid, chem mechanical, and
plastics engineers; materials and polymer scientists; chemical technologists; polymer chemists; and upper-level undergraduate and graduate students in these disciplines.

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Title	Location	Edition / Series / Misc.

1389 **Pressure-Sensitive Formulation**

Author: Istvan Benedek
Publish.: VSP
- place:
- date: 2000
Subject: Adhesives and Adhesion - Coating Processes - Converting Technol
Desc: 536 p, 6.6 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067643300
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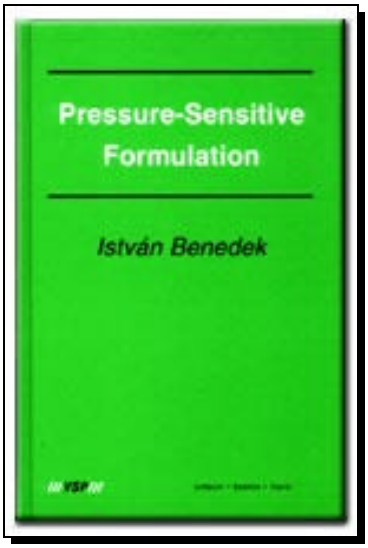
Edition:
Series:
Year: 2000
Price: $143.50



Subjects

235 .	Coating processes
606 .	Adhesives and Adhesion
620 .	Converting Technology

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Reviews - Synopsis - Dust Jacket

This monograph aims to give a comprehensive and detailed review of general results, which have been obtained in a special segment of the design and manufacture of pressure-sensitive products, known as formulation. For manufacturers of pressure-sensitive products and product components, formulation likely comprises the core of their proprietary know-how. The scientific basis of formulation, explaining the reasons behind certain mixing and processing technologies, is doubtless more important than a collection of compositional data and technical parameters. This volume presents technical and scientific materials concerning the important theoretical and practical aspects of the formulation of pressure-sensitive adhesives.From the Preface: "...Based on the author's industrial and scientific experience, this treatise constitutes a theoretical and practical state of the art monograph on the formulation of pressure-sensitive products. It is a practical guide for those who want to study, manufacture or use pressure-sensitive products, or their components, for suppliers of adhesives, elastomers, plastics and additives, or manufacturing equipment...The idea is...to establish an engineering basis, which allows the development of pressure-sensitive formulation parallel to advances in macromolecular chemistry and technological progress..."Target Audience: Production and manufacturing managers manufacturing,
process, and quality engineers; materials scientists; chemists; and new product specialists involved in the production or application of pressure-sensitive products.

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Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural Analysis

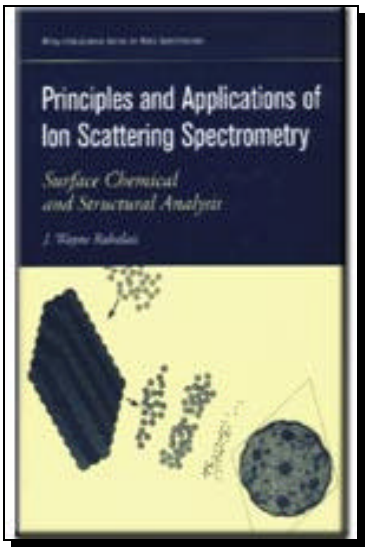
Title	Location	Edition / Series / Misc.

1435 **Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural**

Author: J. Wayne Rabalais
Publish.: Wiley - Interscience
- place:
- date: 2003
Subject: Surface Characterization and Analysis - Polymer Characterization -
Desc: 322 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471202770
Shelf

Edition:
Series:
Year: 2003
Price: $85.00



Subjects

601 .	Polymer Surface Chemistry
608 .	Surface Characterization and Analysis
613 .	Polymer Characterization

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Real-Space Surface Crystallography from Scattering and Recoiling Imaging Spectrometry
Applications of TOF-SARS and SARIS to Surface Structure Analysis
Ion—Surface Charge Exchange and Inelastic Energy Losses
Hyperthermal Reactive Ion Scattering for Molecular Analysis on SurfacesBibliography of Ion Scattering Publications
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Reviews - Synopsis - Dust Jacket

Ion scattering spectrometry, a powerful analytical tool used to determine the structure and composition of a substance, addresses critical problems in semiconductors, thin film growth, coatings, computer chips, magnetic storage devices, bioreactive surfaces, catalytic surfaces, and electrochemical surfaces — including battery applications. Seamlessly merging theoretical fundamentals with cutting-edge practical applications, Principles and Applications of Ion Scattering Spectrometry represents the first and only book focused exclusively on this field. The bibliography is extensive.From the Preface: “Ion scattering and recoiling spectrometry has developed over the last 30 years into an important surface elemental and structural analysis technique. This is mainly due to its high sensitivity, its ability to detect all elements, and its capability of surface structure analysis. Such information is vital to understanding the physical and chemical properties and the reactivity of surfaces...The book has been prepared with the aim of serving both a pedagogical need and a research need...”Target Audience: Engineers, researchers, professors, upper-level students, and postdoctoral associates involved in surface analysis, surface science, and studies of surface materials.

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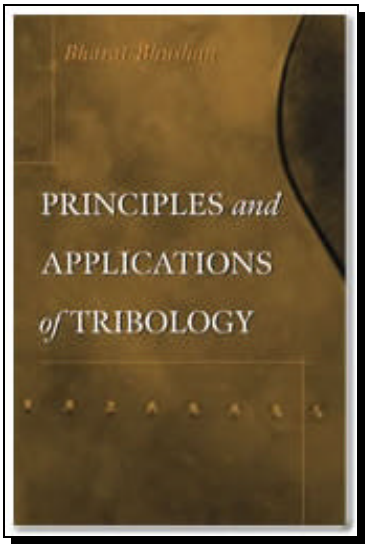
Title	Location	Edition / Series / Misc.

1237 **Principles and Applications of Tribology**

Author: Bharat Bhushan
Publish.: John Wiley & Sons
- place:
- date: 1999
Subject: Wear, Weathering, and Tribology - Recommend this Site
Desc: 1040 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471594075
Shelf

Edition:
Series:
Year: 1999
Price: $178.50



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614 .	Wear, Weathering, and Tribology
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Micro/Nanotribology
Friction and Wear Screening Test Methods
Bulk Materials, Coatings, and Surface Treatments for Tribology
Tribological Components and Applications
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Reviews - Synopsis - Dust Jacket

This comprehensive treatment of the theory and applications of tribology offers detailed coverage of the mechanisms of material wear, friction, and all of the major lubrication techniques — liquids, solids, and gases. It examines a wide range of both traditional and state-of-the-art applications and topics, such as advances in micro-nanotribology, magnetic information storage devices, and microelectromechanical systems.From the Preface: "...The purpose of this book is to present the principles of tribology and the tribological understanding of most common industrial applications. The book is based on the author's broad experience in research and teaching in the area of tribology, mechanics, and materials science for more than thirty years. Emphasis is on the contemporary knowledge of tribology, and includes the emerging field of micro-nanotechnology. The book integrates the knowledge of tribology from mechanical engineering, mechanics, and materials points of view..."Target Audience: Mechanical, chemical, and materials engineers involved in product and process design, as well as graduate students and researchers in these areas.

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Principles of Chemical Vapor Deposition: What's Going On Inside the Reactor?

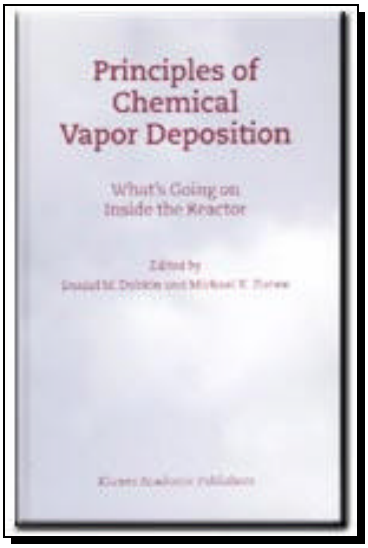
Title	Location	Edition / Series / Misc.

1533 **Principles of Chemical Vapor Deposition: What's Going On Inside the Reactor?**

Author: Daniel M. Dobkin and Michael K. Zuraw, eds.
Publish.: Kluwer Academic
- place:
- date: 2003
Subject: Coating Processes - Materials Science
Desc: 288 p, 6.3 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1402012489
Shelf

Edition:
Series:
Year: 2003
Price: $85.00



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235 .	Coating processes
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Reviews - Synopsis - Dust Jacket

This book provides a simple and concise introduction to chemical vapor deposition (CVD), including discussions of heat and mass transfer, surface and gas phase chemistry, plasma discharge characteristics, CVD films, and reactor chamber function and design. It presents examples of actual industrial reactors and processes, with simplified analysis to demonstrate how to apply the principles to practical situations. The presentation remains as simple as possible while still retaining the essential physics and chemistry of CVD. The primary focus is on semiconductor manufacturing, but the book will also be valuable for other applications of chemical vapor deposition.From the Preface: "...This book is not meant to be either exhaustive or exact: we have tried to exhibit fundamental principles and key practical considerations, but do not claim to represent the state of any particular part of the art at the moment of publication...The aspects of thermodynamics, statistical mechanics, chemistry, and electromagnetism needed for understanding CVD processes are reviewed here, but only in sufficient depth to remind the reader of a past acquaintance with the topics, as in e.g. a college-level course..."Target Audience: Process engineers, upper-level students, and researchers newly involved in the development of processes and hardware for chemical vapor deposition.

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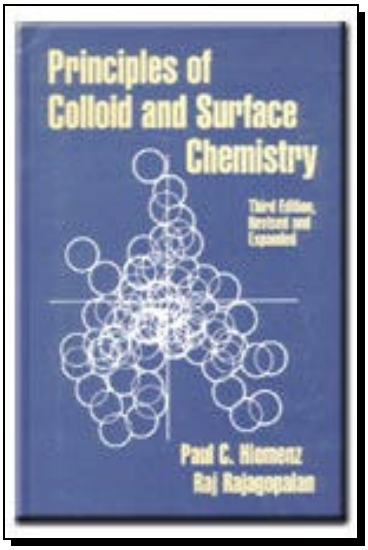
Title	Location	Edition / Series / Misc.

1053 **Principles of Colloid and Surface Chemistry, 3rd Ed.**

Author: Paul C. Hiemenz and Raj Rajagopalan
Publish.: Marcel Dekker
- place:
- date: 1997
Subject: Colloids and Emulsions - Biopolymers and Medical Applications -
Desc: 670 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 824793978
Shelf

Edition:
Series:
Year: 1997
Price: $65.00



Subjects

617 .	Paints and Protective Coatings
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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Static and Dynamic Light Scattering and Other Radiation Scattering
Surface Tension and Contact Angle: Application to Pure Substances
Adsorption from Solution and Monolayer Formation
Colloidal Structures in Surfactant Solutions: Association Colloids
Adsorption at Gas—Solid Interfaces
van der Waals Forces
The Electrical Double Layer and Double-Layer Interactions
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Reviews - Synopsis - Dust Jacket

This revised and expanded version of this classic text offers full coverage of the fundamentals of colloid and surface science, including types of colloids and colloidal phenomena; classical and modern characterization and measurement techniques; and applications in engineering, technology, chemistry, physics, and biological and medical sciences. It serves as an ideal instructional text, and is also helpful as a desk reference for professionals in these fields.From the Preface: “The face of colloid and surface science has changed dramatically in the 10 years since the last edition of this book appeared in print. Advances in instrumentation now make it possible for us to ‘see’ — and, indeed, to manipulate — individual atoms on a surface. Molecular engineering of polymers, surfactants, and particles is now withing reach for fabricating novel advanced materials and for preparing capsules (liposomes) for drug delivery and gene therapy...Colloid and surface chemistry is a truly interdisciplinary subject today, and its content and significance have no bounds...”Target Audience: Students, researchers, and scientists interested in colloid and surface phenomena.

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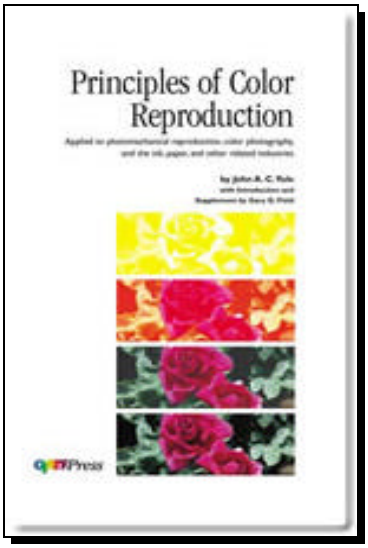
Title	Location	Edition / Series / Misc.

1303 **Principles of Color Reproduction**

Author:
Publish.: GATF
- place:
- date: 2000
Subject: Color Theory, Testing, and Analysis - Printing Technology
Desc: 480 p, 5.5 x 8.5 Paperback

Dynix:
Call No.:
ISBN: 88362222
Shelf

Edition:
Series:
Year: 2000
Price: $58.50



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Advances in Color Reproduction (by Gary G. Field)

Reviews - Synopsis - Dust Jacket

Although major advances have occurred with prepress and press technologies in recent years, the underlying principles of successful color reproduction remain essentially unchanged. With this in mind, GATFPress has reprinted this classic text on the subject. A new introduction and a final chapter which summarizes developments in graphic arts color reproduction since 1967, along with numerous references to recent key research and technical articles, brings the work up to date, and augments its value as a reference tool.From the Introduction: “The publication of Reproduction
photomechanical color reproduction theory and practice. Here, for the first time, was a complete treatise on the scientific and technical aspects of color reproduction written specifically for the printing industry...The text's blanced presentation of color separation, spectral sensitivity, and color masking strategies on the one hand, and of ink, paper, and printing color characteristics, on the other hand, provided a thorough coverage of the total system; a perspective that is essential to any modern manufacturing enterprise. This dual emphasis on color separation and color printing inspired the application of formal systems engineering approaches to color reproduction that led, in turn, to the color management systems that were introduced nearly 30 years later.”Target Audience: All readers affected by th process of color
reproduction, including researchers, practitioners, and students alike.

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Title	Location	Edition / Series / Misc.

1211 **Printing Ink and Overprint Varnish Formulations, 2nd Ed.**

Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 1999
Subject: Inks and Coatings - Additives - Printing Technology
Desc: 144 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514409
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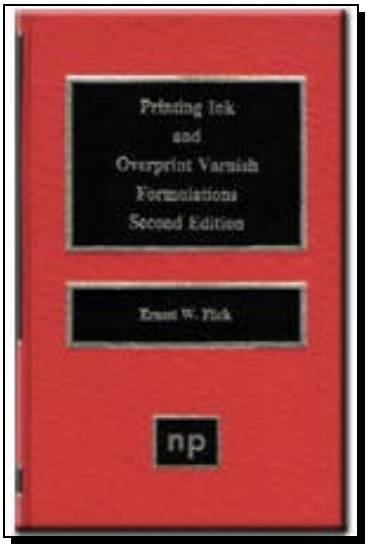
Edition:
Series:
Year: 1999
Price: $78.50



Subjects

603 .	Inks and Coatings
611 .	Additives
624 .	Printing Technology

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Reviews - Synopsis - Dust Jacket

This edition presents about 250 up-to-date printing ink and overprint varnish manufacturers' formulations. Inks for flexography, gravure, heatset, offset, quickset, lithography, letterpress, and screen process printing are included. Each formulation includes manufacturer information such as raw material contents and percentages by weight, suggested formula modifications, key properties, and the source of the formula. The book also contains lists of raw materials trade names and supplier addresses.From the Preface: "...The data represent selections from manufacturers' descriptions made at no cost to, nor influence from, the makers or distributors of these materials. Only the most recent formulas have been included. It is believed that all of the trademarked raw materials listed here are currently available, which will be of utmost interest to readers concerned with raw material discontinuances..."Target Audience: Anyone who requires a hands-on formulary for p inks and overprint varnishes.Brief Table of Contents:Printing Inks
Overprint Varnishes
Coatings
Miscellaneous
Trademarked Raw Materials
Suppliers' Addresses
End Use Index

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Title	Location	Edition / Series / Misc.

1128 **Printing Paper & Inks**

Author: Charles Finley
Publish.: Delmar
- place:
- date: 1997
Subject: Paper and Paperboard - Color Theory, Testing, and Analysis - Inks
Desc: 459 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 827364415
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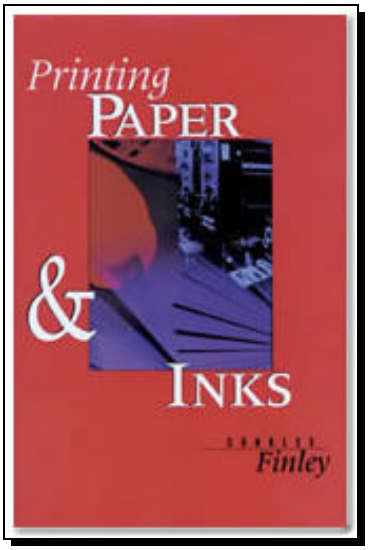
Edition:
Series:
Year: 1997
Price: $43.50



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603 .	Inks and Coatings
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618 .	Color Theory, Testing, and Analysis

Reviews - Synopsis - Dust Jacket

This introductory text examines paper and ink from the perspectives of their manufacture, physical characteristics, performance, testing, and interrelationships. It offers comprehensive coverage of paper manufacture, estimating, ordering, and selection; and current information on topics such as oxygen delignification, MSDSs, recycled paper, CONEG, and dioxin control.From the Preface: "...[This book] is an attempt to provide a student-friendly textbook that deals with the complexity of [paper and ink] and how they interact to create the magazines, movie-star posters, and cereal boxes that contribute to what we call graphic communications...The chemical jargon has been held to a minimum and emphasis has been placed on the broad concepts reather than the particular chemicals involved...Certain chemical principles are explained in the appendices and these points are referenced in the text."Target Audience: Primarily students in printing programs; al helpful
to newcomers to the printing field.

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Title	Location	Edition / Series / Misc.

1201 **Printing Plant Layout and Facility Design, 2nd Ed.**

Author: A. John Geis
Publish.: GATF
- place:
- date: 1997
Subject: Printing Technology - General Reference
Desc: 218 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 883622114
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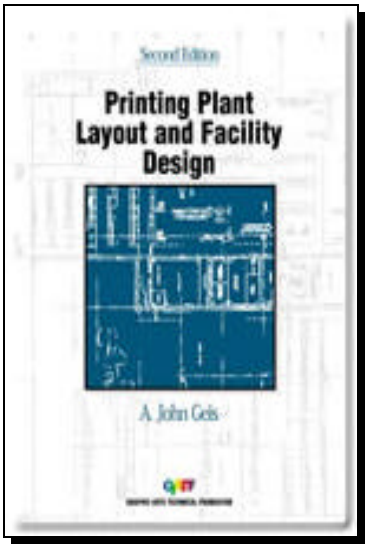
Edition:
Series:
Year: 1997
Price: $58.50



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604 .	General Reference
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Reviews - Synopsis - Dust Jacket

This in-depth guide, which focuses on lithogrpahy, will help printing firms of all sizes develop the best facility design and layout for printing operations and support services regardless of whether they are building a new plant, adding to an existing one, acquiring, or re-organizing. Recommended.From the Foreword: “All printers face an expansion decision at some time. The needs of the printer will differ according to the type of printing business, the equipment, and the facility. The ideas presented in this book will help printing firms, primarily lithographers, of all sizes develop the best facility design and laoyout for their printing operations and support services...[This book] is an extended in-depth course on planning and designing a plant for lithographic operations...”Target Audience: Decision makers in lithographic and ot printing facilities.

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Title	Location	Edition / Series / Misc.

1129 **Printing Technology, 5th Ed.**

Author: J. Michael Adams and Penny Ann Dolin
Publish.: Delmar
- place:
- date: 2002
Subject: Printing Technology - Color Theory, Testing, and Analysis
Desc: 558 p, 7.88 x 9.13 Hardcover

Dynix:
Call No.:
ISBN: 76682232
Shelf

Edition:
Series:
Year: 2002
Price: $51.50

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Reviews - Synopsis - Dust Jacket

Now in its fifth edition, this bestseller provides readers with a firmer grasp of how digital printing technologies are revolutionizing the industry. Traditional analog printing methods are reviewed, establishing the foundation for understanding the state-of-the-art technological infrastructure for digital publishing that supports today's new, digital workflow. Coverage leads readers through the complexities of digital data, digital prepress operations, printing techniques, and finishing options.This edition of computer estimating and job tracking, plus use of the Internet as a portal for connecting printing facilities with customers and suppliers. Chapters on color, printing presses and processes, paper and ink, and finishing operations remain strong.From the Preface: "...In the past five years [since the fourth edition] the printing industry has continued to face a fundamental restructuring of how it produces its products and conducts its business. Entire job classifications such as pasteup and stripping have either disappeared or are being rapidly phased out...In this fifth edition the challenge has been to introduce technologies that are truly taking hold and proving effective and avoid those that appear with fanfare but fade away quickly..."Target Audience: A broad range of personnel in the printing industry, as well as students in this field.

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Probability, Statistics, and Reliability for Engineers and Scientists, 2nd Ed.

Title	Location	Edition / Series / Misc.

1412 **Probability, Statistics, and Reliability for Engineers and Scientists, 2nd Ed.**

Author: Bilal M. Ayyub and Richard H. McCuen
Publish.: Chapman & Hall
- place:
- date: 2002
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis
Desc: 650 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1584882867
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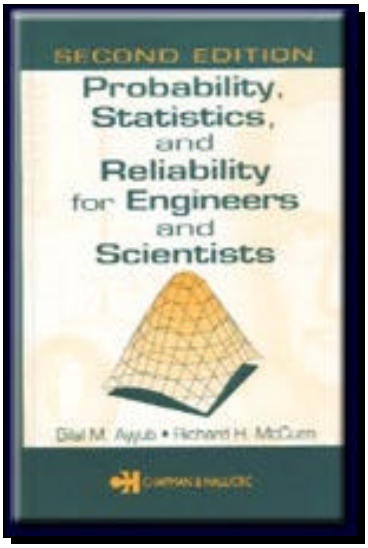
Edition:
Series:
Year: 2002
Price: $88.50



Subjects

607 .	QA/QC, Statistics, and Testing
627 .	Experimental Design and Analysis

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Reviews - Synopsis - Dust Jacket

This volume presents highlights of the Eurofillers '99 conference held in Lyon, France, September 6-9, 1999. The 38 papers address recent research which furthers our understanding of the processing and properties of fillers and their interactions with polymers. The possibilities presented by nanotechnology were also introduced through contributions concerning investigations into nanofillers — such as clays and whiskers — and nanocomposites.From the Preface: "...For many industrial applications...combinations of properties are required for filled polymers. As a consequence, the filters become more functional and a better understanding is required in the areas of: the basic phenomena involved for synthesis and surface modification of fillers; the filler/polymer interface and/or the creation of interphases; the processing of filled polymers; and the relationships between morphologies and the physical properties of filled polymers, such as mechanical and electrical properties or the ability of some fillers to be used as fire retardants..."Target Audience: Scientists and technologists in either industry or academia who are concerned with fillers and filled polymers.Brief Table of Contents:Fillers for Polymers
Filled Thermoplastics and Thermosets
Filled Elastomers
Specialty Filled Polymers

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Title	Location	Edition / Series / Misc.

1429 **Processes of Fiber Formation**

Author: Zbigniew K. Walczak
Publish.: Elsevier
- place:
- date: 2002
Subject: Composites, Laminates, and Fibers - Materials Science - Polymer
Desc: 424 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 80440401
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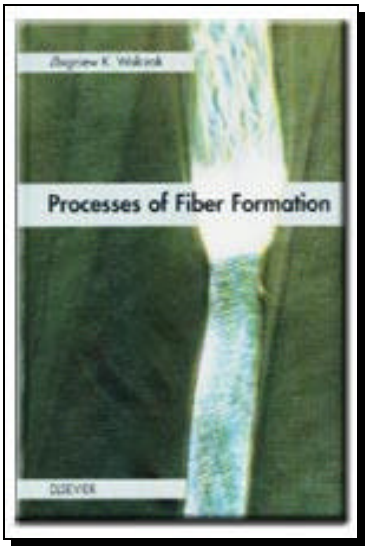
Edition:
Series:
Year: 2002
Price: $106.50



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609 .	Materials Science
610 .	Polymer Science
625 .	Composites, Laminates, and Fibers

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Reviews - Synopsis - Dust Jacket

This book presents the state of the art in fiber formation principles, including many original and crucial previously unpublished developments by the author. The material is presented from a theoretical standpoint, with experimental examples cited — with only a few exceptions, uncorroborated theories are omitted from the discussion.From the Preface: "...It is almost a paradox that on the one hand, the fiber formation process has passed its centennial birthday, while on the other hand, in some circles, it continues to be considered a craft. In this book I intend to show that fiber formation is a multidisciplinary, complex, often difficult to comprehend consists of a number of physical processes with nonlinear behaviors occurring and influencing each other simultaneously. In some cases, still another chemical process may be involved. Several disciplines are involved, many different experimental techniques."Target Audience: Researchers, technologists, process engineer upper-level students interested in the fiber formation processes.

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Title	Location	Edition / Series / Misc.

1089 **Properties of Paper: An Introduction, 2nd Ed.**

Author:
Publish.: TAPPI Press
- place:
- date: 1995
Subject: Paper and Paperboard - QA/QC. Statistics. and Testing
Desc: 209 p, 7 x 10 Paperback

Dynix:
Call No.:
ISBN: 898520622
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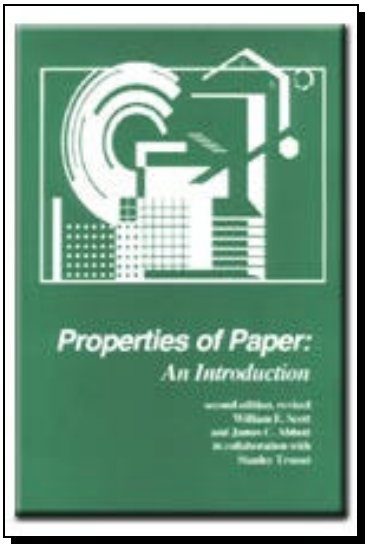
Edition:
Series:
Year: 1995
Price: $55.00



Subjects

607 .	QA/QC, Statistics, and Testing
615 .	Paper and Paperboard

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The Fundamental Aspects of Paper Properties
Interrelationships Among Paper Properties
Property Requirements of Printing and Writing Papers
The Properties of Paperboard Used in Packaging
The Properties of Creped Tissue Papers
General Bibliography

Reviews - Synopsis - Dust Jacket

This book presents readable, practical information on paper properties, grades, and measurement. It offers a comprehensive approach to improving product quality and organizational profitability by showing the relationships among process, product, properties, and measurements. Includes a bibliography and suggested reading list.From the Preface: "...The approach adopted at the outset [of the course on which the first edition of this text was based] was to introduce the various properties of paper and discuss them from the standpoint of their influence on the converting and end uses of paper...[E]mphasis is placed on how paper properties are influenced by raw materials and manufacturing processes. The interdependence of paper properties and the consequent limitations imposed on the papermaking are described. Finally, the common procedures and instruments used for evaluating paper properties are reviewed..."Target Audience: Paper merchants and paper end-users of many varieties; also students of paper science and technology.

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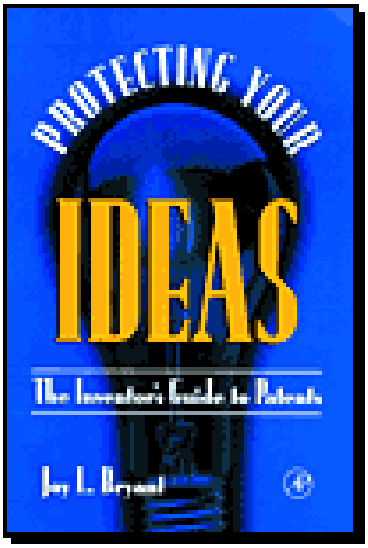
Title	Location	Edition / Series / Misc.

1557 **Protecting Your Ideas: The Inventor's Guide to Patents**

Author: Joy L. Bryant
Publish.: Academic Press
- place:
- date: 1998
Subject: Patents and Intellectual Property
Desc: 243 p., 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 0121384101
Shelf

Edition:
Series:
Year: 1998
Price: $15.00



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619 .	Patents and Intellectual Property

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Reviews - Synopsis - Dust Jacket

This book offers a succinct, straightforward guide to the patent system. Written in non-legalese, it presents the steps involved in obtaining patent protection for inventions, and includes answers to frequently asked questions, tips, warnings, and examples drawn from the author's extensive experience with academic and industrial clientele. Che and other helpful material are provided to assist the inventor who is preparing to enter the patent process. Useful resources for inventors are also listed.

From the Preface: "...[This book] will serve as an informative guide describing the types of intellectual property an more specifically, patents and the patent process. What this book will not do is teach you how to prepare and file y own patent application...By the time you have finished reading this book, you will have a general understanding of copyrights, trademarks, trade secrets, patents, and the patent process. In addition, defined for you are your roles a responsibilities in the patent process when working with a patent practitioner..."

Target Audience: Inventors, research scientists, university faculty, and corporate executives.

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Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.

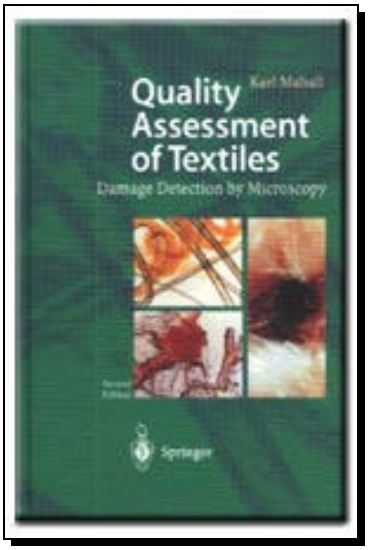
Title	Location	Edition / Series / Misc.

1489 **Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.**

Author: Karl Mahall
Publish.: Springer
- place:
- date: 2003
Subject: Textiles and Nonwovens - Composites. Laminates. and Fibers -
Desc: 260 p, 6.5 x 9.6 Hardcover

Dynix:
Call No.:
ISBN: 3540440720
Shelf

Edition:
Series:
Year: 2003
Price: $118.50



Subjects

607 .	QA/QC, Statistics, and Testing
625 .	Composites, Laminates, and Fibers
631 .	Textiles and Nonwovens

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Reviews - Synopsis - Dust Jacket

The damage which can occur in certain fibrous raw materials or during the production and storage of textiles is expertly described in this updated edition of
the use of microscopic analysis to find concealed textile defects — a technique which remains critical to textile process improvements. An acknowledged standard since its first German edition was published in 1989.From the Foreword: "...In his book Karl Mahall...has carefully chosen typical practical examples which he encountered in connection with textile auxiliaries during the 40 years which he has been working for the Henkel KGaA. In particular it is demonstrated how microscopic test methods can provide decisive hints at the cause of hidden faults in textiles... "Target Audience: Chemical, process, and quality engineers in the
textile industry, as well as students and others interested in the quality assessment of textiles.

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Title	Location	Edition / Series / Misc.

1122 **Quality Assurance in Adhesive Technology**

Author: EUREKA Project EU716
Publish.: Abington Publications
- place:
- date: 1998
Subject: Adhesives and Adhesion - Experimental Design and Analysis -
Desc: 168 p, 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1855732599
Shelf

Edition:
Series:
Year: 1998
Price: $155.00

Subjects

606 .	Adhesives and Adhesion
607 .	QA/QC, Statistics, and Testing
627 .	Experimental Design and Analysis

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Appendix B: Checklist Documents

Reviews - Synopsis - Dust Jacket

This unique collaboration among the Center for Adhesive Technology of TWI, Cambridge, Cranfield University, UK, the Department of Trade and Industry, and UK industrial participants presents a practical quality assurance model that analyzes and addresses design and production issues early in an adhesive product's development stage. Associated software is provided which, fully customizable to any manufacturing requirement, can help users achieve higher levels of reliability in their adhesive bonding processes.From the Executive Summary: "...The objective of this work has been to obtain improved reliability of adhesively bonded products and with this specific package of help, to assist the application of general quality management systems already in place in manufacturing industry, to the specific issue of adhesive bonding. Adhesive bonding can be considered as a `special process', the results of which cannot be fully verified by subsequent inspections and testing. Therefore continuous monitoring and compliance with documented procedures are required to provide assurance of quality..."Target Audience: All quality professionals and development personnel concerned with adhesives and adhesion.

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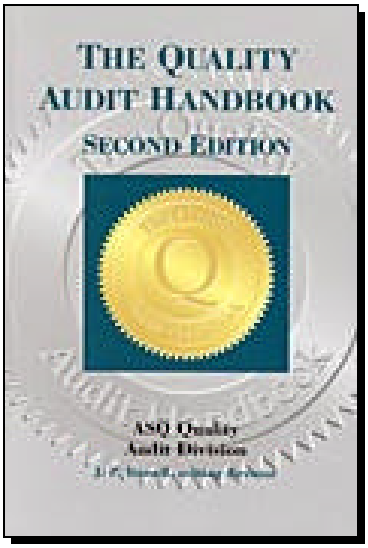
Quality Audit Handbook, 2nd Edition

Title	Location	Edition / Series / Misc.
1579 **Quality Audit Handbook, 2nd Edition**		*Edition:* 2nd Edition
Author:	*Dynix:*	*Series:*
Publish.: ASQC	*Call No.:*	
- place:	*ISBN:* 087389460X	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Quality Assurance		*Price:* $82.00
Desc: 218 pages, hardbound.		



Subjects

632 .	Quality Assurance

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Reviews - Synopsis - Dust Jacket

This handbook assembles a variety of contributed auditing topics and quality audit practices from recognized leade within the field. Designed for auditors, audit managers, audit teams, and quality assurance professionals to use as t definitive resource for nearly every aspect of the auditing function, it supports the ASQC Certified Quality Auditor Bo Knowledge and is aligned with it for easy cross-referencing.

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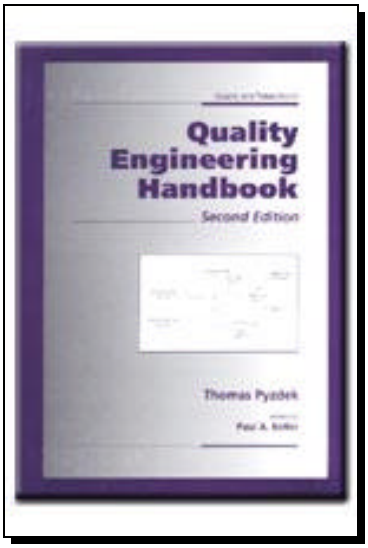
Title	Location	Edition / Series / Misc.

1515 **Quality Engineering Handbook, 2nd Ed.**

Author: Thomas Pyzdek (edited by Paul A. Keller)
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: OA/OC. Statistics. and Testing - Recommend this Site
Desc: 744 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 824746147
Shelf

Edition:
Series:
Year: 2003
Price: $133.50



Subjects

607 .	QA/QC, Statistics, and Testing
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This completely revised second edition of the Handbook
the Certified Quality Engineer (CQE), covering every essential topic required by the quality engineer for effective day-to-day planning, testing, finance, and management. It thoroughly examines and defines the principles and benefits of six sigma managment and organization. New and expanded sections address management and leadership issues, training, customer relations, documentation systems, domestic and international standards, measurement systems, statistical decision making, experimental design, CQE exam preparation, and reliability, safety and hazard assessment tools.From the Preface: “This book was written to fulfill my long-held desire to provide a single source that covers every topic in the body of knowledge for quality engineering. In teaching courses in the past I found that literally every text book had to be supplemented with materials from other sources...My goal for this book is for it to serve as the single best resource for infomation about the field of quality engineering, serving as a teaching tool, a desk reference and as a base for certification training, for the student or the quality professional...”Target Audience: Quality, reliability, QC, and QA engineers, as well as upper-level undergraduate and graduate students in these disciplines.Brief Table of Contents:Management and Leadership in Quality Engineering
Quality Systems Development, Implementation, and Verification
Planning, Controlling, and Assuring Product and Process Quality
Reliability and Risk Management
Problem Solving and Quality Improvement
Quantitative Methods
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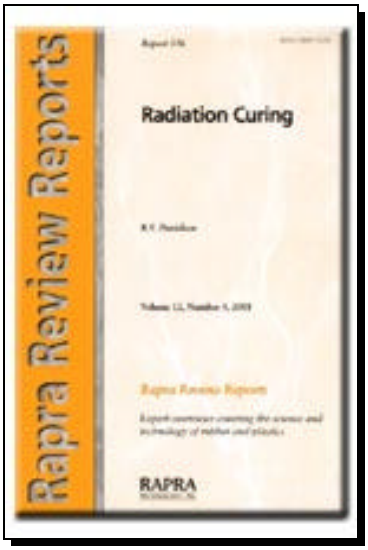
Title	Location	Edition / Series / Misc.

1322 **Radiation Curing (Rapra Review Report 136)**

Author: R.S. Davidson
Publish.: Rapra
- place:
- date: 2001
Subject: Curing and Photopolymerization Processes - Adhesives and
Desc: 128 p, 8.3 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 185957288
Shelf

Edition:
Series:
Year: 2001
Price: $123.50



Subjects

603 .	Inks and Coatings
606 .	Adhesives and Adhesion
612 .	Curing and Photopolymerization Processes

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Reviews - Synopsis - Dust Jacket

There are many possibilities for future developments in radiation curing. The technology permits extensive control over crosslinking, including reversal of the process of adhesion in some cases. This allows the production of release coatings and provides an easy method of removing expensive components at the end-of-life stage. Its role in medical applications is also rapidly advancing. The prospects for functional and aesthetic coating applications are abundant, particularly with regard to pearlescent coatings, liquid crystals in coatings, and high gloss coatings. Moreover, radiation cured coatings are generally environmentally friendly, further fueling their attractiveness for future applications.Radiation Curing technology is based, the equipment that is used, and the materials which make up a radiation curable formulation. Currently, radiation curing is used in coatings, graphic arts, printing inks, packaging, adhesives, optical and optoelectronic applications, composite production, rapid prototyping, nanotechnology, controlled-permeability membranes and hydrogels, and for the vulcanization of natural and synthetic rubber.Rapra Review Reports contain a brief overview the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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Recent Developments in Epoxy Resins (Rapra Review Report 91)

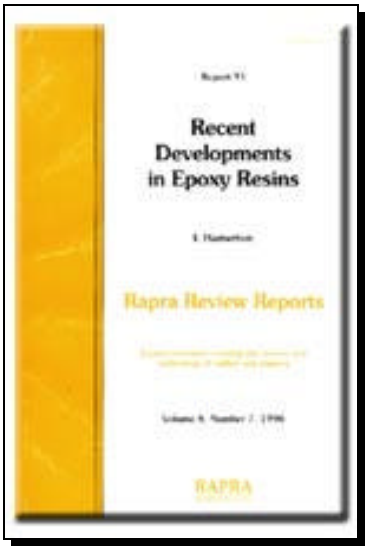
Title	Location	Edition / Series / Misc.

1132 **Recent Developments in Epoxy Resins (Rapra Review Report 91)**

Author: I. Hamerton
Publish.: Rapra
- place:
- date: 1995
Subject: Paints and Protective Coatings - Adhesives and Adhesion - Inks and
Desc: 185 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859570836
Shelf

Edition:
Series:
Year: 1995
Price: $121.50



Subjects

603 .	Inks and Coatings
606 .	Adhesives and Adhesion
617 .	Paints and Protective Coatings

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Modeling the Cure of Epoxy Resins
Additives and Modifiers for Epoxy Resins
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References from the Rapra Abstracts Database
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Reviews - Synopsis - Dust Jacket

This review report covers recent developments in the chemistry and technology of epoxy resins, concentrating primarily on material published in the 1990s. It reviews the synthesis, manufacture, and characterization of epoxy monomers, cure reactions of epoxy resins, spectroscopic and analytical methods of studying cure, techniques for the modeling of cure, the use of additives and modifiers, and new applications.From the Introduction: "...The term `epoxy resin' which w used extensively during this review is commonly applied to a wide range of materials, both prepolymers (which contain reactive epoxy groups) and cured polymers (which are still called epoxy resins although all of the reactive groups may have reacted during the polymerisation process)...Epoxy resins are characterised by the presence of at least two epoxy (or oxirane) groups within their molecular structure. The epoxy group is composed of a planar, three-membered ring comprising two carbon atoms and one oxygen atom..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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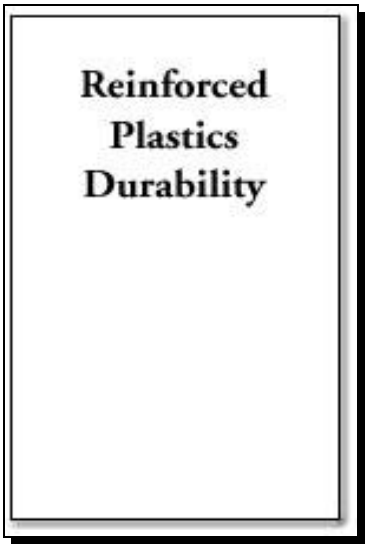
Title	Location	Edition / Series / Misc.

1160 **Reinforced Plastics Durability**

Author: Geoffrey Pritchard, ed.
Publish.: CRC Press
- place:
- date: 1999
Subject: Wear, Weathering, and Tribology - Composites, Laminates, and Fibe
Desc: 384 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 849305470
Shelf

Edition:
Series:
Year: 1999
Price: $161.50



Subjects

614 .	Wear, Weathering, and Tribology
625 .	Composites, Laminates, and Fibers

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Review of the Durability of Marine Laminates
Survey of Long Term Durability of Fiberglass Reinforced Plastics Tanks and Pipes
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Repairs Using Fibre Reinforced Plastics
Fatigue Performance: The Role of the Interphase
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Reviews - Synopsis - Dust Jacket

Reinforced plastics are becoming widely adopted for long-term structural use — in everything from buildings and bridges to boats and swimming pools. However, the lifetimes being sought are far greater thatn the whole history of reinforced plastics manufacturing!
Plastics Durability
characteristics which make these materials ideal for numerous applications, while also presenting the dangers of wear and corrosion, with studies of the processes and mechanisms which cause the deterioration.From the Preface: "...The problem with many technical books is that although they contain valuable information, it is not always made sufficiently accessible to those who most need it. This is often because of the failure to explain basic terminology to readers from different backgrounds and specialties. The editor has therefore made a considerable effort to ensure that at least the early chapters of this book are readily understandable by people from discipline areas other than composites science..."Target Audience: Intended primarily for first-time users of reinforced plastics, including engineers, technicians, designers, architects, managers, and marketers, as well as interested upper-level students.

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Title	Location	Edition / Series / Misc.
1580 **Remedies for Common Paint Problems**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: R&H	*Call No.:*	
- place:	*ISBN:*	
- date:	*Shelf*	*Year:*
Subject: Application/Curing		*Price:* $28.00
Desc: 22 cards.		

Subjects

639 .	Application/Curing

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Reviews - Synopsis - Dust Jacket

Identify, correct, and prevent the most commonly found paint failures. This card-check format displays interior prob on one side, and exterior problems on the other. Each card illustrates and describes what a problem looks like, list possible cause of the failure and provides a solution. Many preventative measures are also given.

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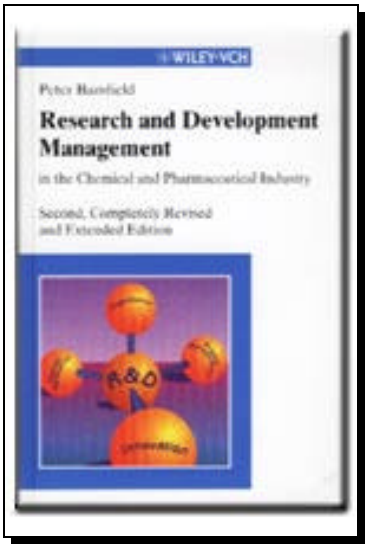
Title	Location	Edition / Series / Misc.

1525 **Research and Development Management in the Chemical and Pharmaceutical Industry, 2nd E**

Author: Peter Bamfield
Publish.: Wiley - VCH
- place:
- date: 2003
Subject: General Reference - Recommend this Site
Desc: 280 p, 6.6 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527306676
Shelf

Edition:
Series:
Year: 2003
Price: $75.00



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604 .	General Reference
715 .	Recommend this Site

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The Exploitation of OpportunitiesProject Management of Innovation:
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Reviews - Synopsis - Dust Jacket

The revised second edition of this guide is designed to provide younger research chemists with the skills needed to manage research endeavors. The body of knowledge and skills is built on three factors — people, knowledge, and time. It covers the management of scientific personnel, management within a variety of R&D organizational structures, the creation of a climate of innovation, time management, and communication. The new edition addresses recent global developments, restructuring in the chemical industry, and the rising importance of information technology in project management.From the Preface: “This second edition is written in response to the new industrial climate that has arisen since the appearance of the first, some seven years ago. In that time remarkable changes have occurred in the chemical and pharmaceutical industries, all of which have had an effect on the way managers in R&D have to work. Included in these changes are the rising number of mergers and acquisitions; increased globalisation of the industries...a greater emphasis on the regulation of the use of chemicals and environmental control...[and] the rise of the concept of the knowledge based economies and hence the importance of the knowledge worker, exemplified by those in R&D...”Target Audience: Research and development managers — and aspira in the chemical, pharmaceutical, and process industries.

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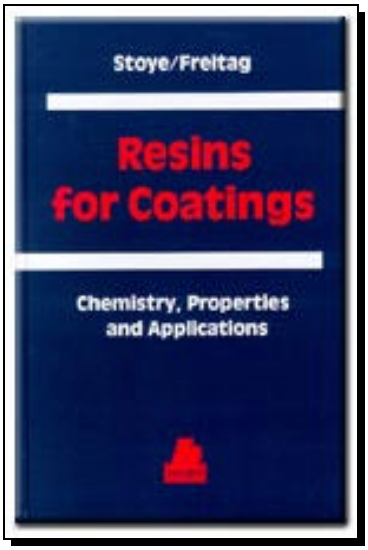
Title	Location	Edition / Series / Misc.

1045 **Resins for Coatings: Chemistry, Properties, and Applications**

Author: Dieter Stoye and Werner Freitag, eds.
Publish.: Hanser Gardner
- place:
- date: 1996
Subject: Paints and Protective Coatings - Inks and Coatings - Solubility and
Desc: 475 p, 6.5 x 9.3 Hardcover

Dynix:
Call No.:
ISBN: 1569902097
Shelf

Edition:
Series:
Year: 1996
Price: $148.50



Subjects

603 .	Inks and Coatings
605 .	Solubility and Surfactants
617 .	Paints and Protective Coatings

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Reviews - Synopsis - Dust Jacket

This popular reference book covers all basic aspects of the chemistry of resins and binders, their solubility in solvents, and their compatibility with pigments used in modern coatings material. Properties and environmental aspects as well as the related coating techniques are the guidelines for each of the materials-oriented chapters. This resulting compendium presents state-of-the-art knowledge of organic coatings materials as well as their manufacture and processing.
Coatings: Chemistry, Properties and Applications
of basics, theoretical and practical information, data, and references which enable the reader to understand coatings and solve coating problems.
From the Preface: "...[N]owadays the development of ecologically acceptable binders has come to the fore. Binders for low-emission, environment-friendly coatings are at the forefront of developments — for low-solvent paints, powder coatings, water-borne coating materials in the broadest sense, or else radiation-cured coatings. Future developments will also see an important role played by ecological considerations..."Target Audience: Experienced technologists in th coatings and paint
industries, as well as scientists in industrial research and development or universities; also valuable for consultants and students of the field.

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Title	Location	Edition / Series / Misc.

1343 **Resins for Surface Coatings, 2nd Ed. [Vol. 1: Acrylics & Epoxies]**

Author: P.K.T. Oldring, ed.
Publish.: Wiley - SITA Technology
- place:
- date: 2001
Subject: Paints and Protective Coatings - Polymer Science
Desc: 374 p, 6.5 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471978949
Shelf

Edition:
Series:
Year: 2001
Price: $185.00

Subjects

610 .	Polymer Science
617 .	Paints and Protective Coatings

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The Chemistry of Epoxy Curing
Heavy Duty Coatings
The Use of Epoxy Resins in Industrial and Coil Coatings
Epoxy Resin Based Coatings for Automotives Market
Metal Decorating Applications for Epoxy and Modified Epoxy Resins
References
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3582.html">Resins for Surface Coatings, Vol. 2, 2nd. Ed.: Alkyds & Polyesters
Resins
for Surface Coatings, Vol. 3, 2nd. Ed.: Polyurethanes, Polyamides, Phenolplasts, Aminoplats, Maleic Resins
this title.

Reviews - Synopsis - Dust Jacket

The aim of this series of books is to give a general overview, including the necessary background information required to ensure that coating formulators understand the resins with which they work and the principles of crosslinking. This volume explains the chemistries of epoxy and acrylic resins. Coating formulations are given to illustrate the use of different types of resins.The section on acrylic resins addresses topics such as polyermization, production methods, the different types of acrylic resins used for various end use applications, and the use of special agents for improved application properties. The section on epoxies opens with discussions of the chemistry of epoxy resins, of modified epoxy resins and of epoxy curing. Heavy duty, industrial, and coil coatings are considered, as are automotive and metal decorating applications.Target Audience: Anyone requiring a basic understanding of acrylic a epoxy resins and their applications, including upper-level students, bench chemists and formulators, and technical sales personnel.

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Title	Location	Edition / Series / Misc.

1344 **Resins for Surface Coatings, 2nd Ed. [Vol. 2: Alkyds & Polyesters]**

Author: P.K.T. Oldring, ed.
Publish.: Wiley - SITA Technology
- place:
- date: 2001
Subject: Paints and Protective Coatings - Recommend this Site
Desc: 226 p, 6.5 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471978957
Shelf

Edition:
Series:
Year: 2001
Price: $166.50

Subjects

617 .	Paints and Protective Coatings
715 .	Recommend this Site

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IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3581.html">Resins for Surface Coatings, Vol. 1, 2nd. Ed.: Acrylics & Epoxies Resins
for Surface Coatings, Vol. 3, 2nd. Ed.: Polyurethanes, Polyamides, Phenolplasts, Aminoplats, Maleic Resins
this title.

Reviews - Synopsis - Dust Jacket

The aim of this series of books is to give a general overview, including the necessary background information required to ensure that coating formulators understand the resins with which they work and the principles of crosslinking. This volume starts with a brief introduction to paint technology, then considers in detail two of the most important classes of resins — alkyds and polyesters.It addresses a broad range of topics related to alkyd resins, including different types of alkyds, raw materials for alkyd resins, and their chemistry and manufacture. In addition, typical alkyd formulations and suggested end uses are presented. The section on polyesters discusses the applications of polyester resins in surface coatings, the raw materials used (including polyacids and polyols), and different crosslinking systems. Examples of typical polyester resin formulations, with their uses, are also given.Target Audience: Anyone requiring a basic understanding of alkyd and polyester resins and their applications, including upper-level students, bench chemists and formulators, and technical sales personnel.

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Retention of Fines and Fillers During Papermaking

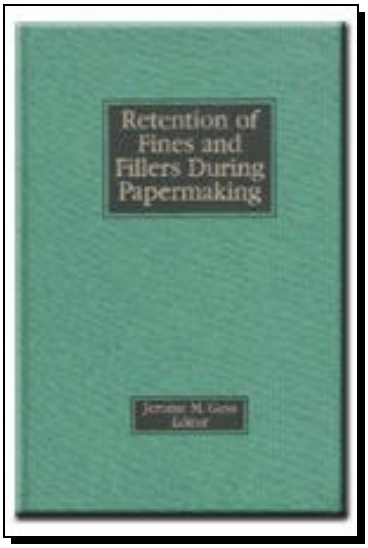
Title	Location	Edition / Series / Misc.

1130 **Retention of Fines and Fillers During Papermaking**

Author: Jerome M. Gess, ed.
Publish.: TAPPI Press
- place:
- date: 1998
Subject: Paper and Paperboard - Additives
Desc: 372 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 898520665
Shelf

Edition:
Series:
Year: 1998
Price: $105.00



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611 .	Additives
615 .	Paper and Paperboard

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Introduction to the Electrokinetics of Papermaking
Retention Aid Systems in Acid Paper and Board Making
Retention in Neutral and Alkaline PapermakingMechanics and Retention:
White Water System Engineering
The Importance of Wet End Equipment and Its Influence on RetentionChemistry and Retention:
Retention Aid Systems
Aluminum Compounds — Chemistry and Use
Starch and Retention
The Use of Poly(ethylene Oxide) in PapermakingPigments and Retention:
Chalk Retention
Ground Calcium Carbonate Fillers
Precipitated Calcium Carbonate
Titanium Dioxide Pigments
Talc and Retention
Retention Properties of Clay
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Reviews - Synopsis - Dust Jacket

This comprehensive text covers all aspects of retention of fines and fillers. Written by a team of industry experts, it is divided into four main sections: an introduction; mechanics and retention; chemistry and retention; and pigments and retention. Specific topics include retention in a neutral alkaline papermaking system and pigments for retention, including titanium dioxide and talc.From the Preface: "...I hope that this book will be a guide to those who have to make decisions as to what pigments to use; what chemistry to use and why one would want to use a particular combination of chemistry and pigments for the production of a given paper..."Target Audience: Marketing, development, and sales personnel chemical industries that supply paper manufactureres; researchers, technologists, purchasing specialists, and others in the paper industry and educational programs concerned with the retention of fines and fillers.

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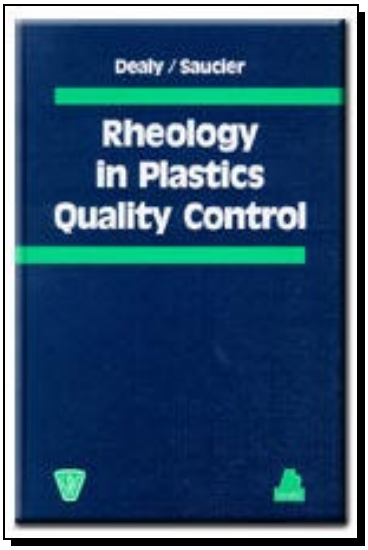
Rheology in Plastics Quality Control

Title	Location	Edition / Series / Misc.
1279 **Rheology in Plastics Quality Control**		*Edition:*
Author: John M. Dealy and Peter C. Saucier	*Dynix:*	*Series:*
Publish.: Hanser Gardner	*Call No.:*	
- place:	*ISBN:* 1569902860	
- date: 2000	*Shelf*	*Year:* 2000
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis		*Price:* $73.50
Desc: 152 p, 6.5 x 9.5 Hardcover with CD-ROM		



Subjects

598 .	Extrusion
607 .	QA/QC, Statistics, and Testing
627 .	Experimental Design and Analysis

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Introduction
Rheological Properties of Polymers
An Introduction to Quality Assurance
Control Basics
Capillary Rheometers
Rotational Rheometers
Empirical Test Methods
On-Line Rheometers for Process Control
Controlling the Measurement Process
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Appendix B: Statistical Software Products
Nomenclature
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Reviews - Synopsis - Dust Jacket

The global economy and the growing emphasis on quality improvements have greatly increased worldwide interest in quality assurance. In the plastics industry, one of the greatest challenges is evaluating the quality of polymer resins. In response to this challenge, it has been found that the results of rheological tests are useful indicators of resin quality. Rheological data are related directly to melt processability and indirectly to final part performance.Rheology in Plastics Quality Control introduction to rheology, a discussion of quality management, and a presentation of the statistical tools required for the treatment of experimental data. Special attention is given to the application of statistical analysis to rheological testing in the plastics industry, where rheological data are related directly to melt processability and indirectly to final part performance. A CD-ROM with application examples is included; it provides examples of the application of commercial statistical software to the use of rheology for quality control.From the Preface: "...Polymers are complex materials t resist
description of composition by simple means. Direct testing of properties with advanced analytical methods, for example molecular weight distribution, are too laborious and insensitive for quality control purposes. Rheometers, on the other hand, have proven to be cost effective and accurate tools for measuring polymer characteristics. However, rheometers are not simple devices, and there are many pitfalls in their routine use. The instrument and the test method chosen may be inappropriate, selected for their simplicity or because their use is traditional rather than on the basis of a rational understanding..."Target Audience: Production managers, quality and process technicians
and engineers, and students of industrial polymer technology and quality control.

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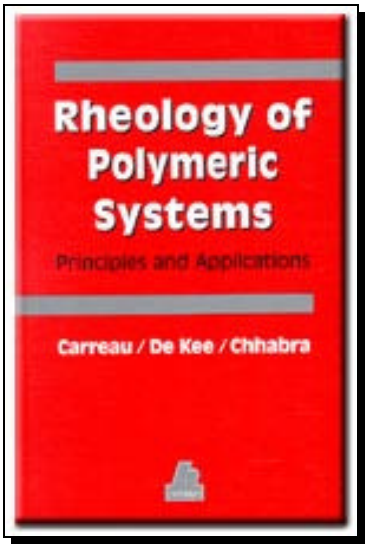
Title	Location	Edition / Series / Misc.

1083 **Rheology of Polymeric Systems: Principles and Applications**

Author:
Publish.: Hanser Gardner
- place:
- date: 1997
Subject: Polymer Science - Polymer Characterization
Desc: 534 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902186
Shelf

Edition:
Series:
Year: 1997
Price: $93.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization

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Introduction
Material Functions and Generalized Newtonian Fluid
Rheometry
Transport Phenomena in Simple Flows
Linear Viscoelasticity
Nonlinear Viscoelasticity
Constitutive Equations from Molecular Theories
Multiphase Systems
Liquid Mixing
Appendix A: General Curvilinear Coordinate Systems and Higher Order Tensors
Appendix B: Equations of Change
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Reviews - Synopsis - Dust Jacket

Rheology is recognized as an important field of research, finding its application in a variety of industrial sectors such as polymer (plastics, rubbers, fibres, resins, paints, coatings and adhesives), chemical, food processing, and related industries. The principles and latest trends in research are already covered quite well in other books; however, there has been little attention paid to the applications of rheology.Rheology of Polymer Systems concepts and applications of polymer rheology by presenting a balanced overview of principles as well as numerous examples of industrial interest. The reader will gain significant benefits from the simplified analysis of complex problems pertaining to the phenomena encountered in polymer manufacturing and processing.From the Preface: "...The level is between that of introductory texts and of highly advanced monographs. We consider the introduction of a treatment of rheology at this level to be timely. This work aims to develop a systematic approach and a clear understanding of the envisaged applications. The reader is expected to be familiar with introductory transport phenomena, or equivalent fluid mechanics and heat transfer..."Target Audience: Designed as a text for up level students, this volume will also prove valuable to practicing engineers and other experienced polymer technologists.

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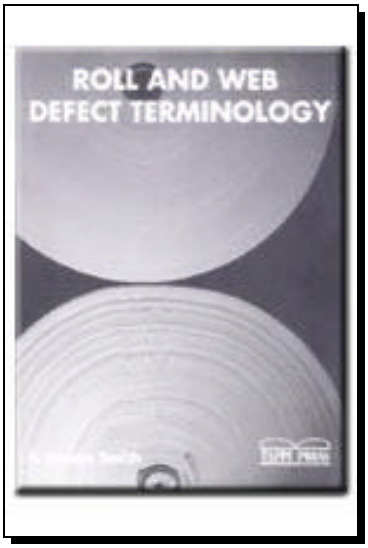
Title	Location	Edition / Series / Misc.

1051 **Roll and Web Defect Terminology**

Author: R. Duane Smith, ed.
Publish.: TAPPI Press
- place:
- date: 1995
Subject: Converting Technology - Extrusion - Plastic Films - Printing Techno
Desc: 261 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 89852279
Shelf

Edition:
Series:
Year: 1995
Price: $68.50



Subjects

301 .	Plastic films
598 .	Extrusion
620 .	Converting Technology

Table of Contents

Roll Defects
Web Defects — Formation
Web Defects — Coating
Web Defects — Calendering
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Reviews - Synopsis - Dust Jacket

This unique manual unites the knowledge of the experts in one easy to read, comprehensive book for solving defects in paper webs and rolls. It uses photographs and drawings to demonstrate a litany of roll and web defects. The accompanying text supplies a quick reference for defect identification, plus a complete index for all synonyms.From the Foreword: "...The purpose of this book is to provid common reference base for defect identification and to provide a means for the web producers, converters, and printers to communicate defect problems through a common language. This language nomenclature will facilitate more meaningful statistical treatments of defects, which is the first step in bringing a process under control to eliminate defects and provide the consistency of quality products which we are all striving towards..."Target Audience: Quality assurance, process plant management, production supervisers, and winder and other converting machinery operators.

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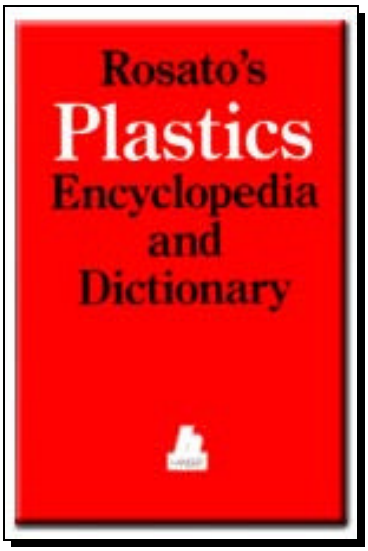
Title	Location	Edition / Series / Misc.

1037 **Rosato's Plastics Encyclopedia and Dictionary**

Author: Dominick V. Rosato
Publish.: Hanser Gardner
- place:
- date: 1993
Subject: General Reference - Health. Safetv. and the Environment - Plastics
Desc: 885 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569900884
Shelf

Edition:
Series:
Year: 1993
Price: $93.50



Subjects

604 .	General Reference
623 .	Health, Safety, and the Environment
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

This encyclopedia and dictionary contains approximately 11,000 terms and expressions used in the plastics industry. Definitions extend considerably beyond the scope of a traditional dictionary, while remaining brief enough to allow inclusion in a single volume. The book is unique in that it covers terms used in all important areas of plastics, including engineering, chemistry, polymer structure, thermodynamics, design, quality control, research and development, products, manufacturing, marketing, purchasing, management, public opinion, regulatory and environmental issues, and the comparision of plastics to alternative materials. Also included are sections on abbreviations, conversions, and chronology. Entries are listed alphabetically and cross-referenced, making the information readily retrievable. Recommended.From the Preface: "...The prime objective of this one-source book is provide a satisfactory reference book on the overall review of plastics and reinforced plastics. Thus, its contents make it useful to those involved with plastics and reinforced plastics as well as those contemplating its use or not familiar with these unique materials...[It] concentrates and focuses on: (1) engineering, chemical, and other technologies; (2) the behavior of plastics and reinforced plastics; (3) the handling and processing of these materials; (4) the controls and testing of these materials, processes, and products; (5) the understanding of their advantages and limitations (disadvantages); and (6) the designing of products that meet performance requirements at the lowest cost..."Target Audience: Any practicing professional o student — at any level
— involved in the plastics industry.

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Rubber Bonding 2001: Advances in the Bonding of Rubber to Various Substrates

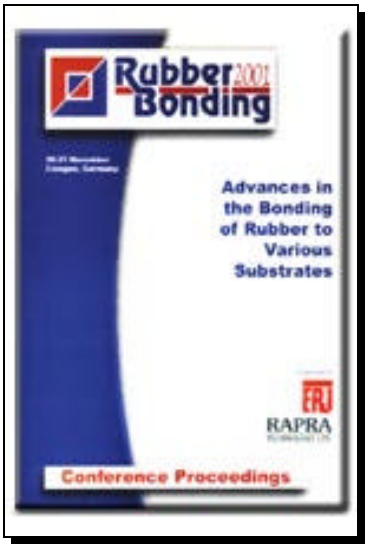
Title	Location	Edition / Series / Misc.

1445 **Rubber Bonding 2001: Advances in the Bonding of Rubber to Various Substrates**

Author:
Publish.: Rapra
- place:
- date: 2001
Subject: Adhesives and Adhesion - Materials Science
Desc: 224 p, 8 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859572987
Shelf

Edition:
Series:
Year: 2001
Price: $138.50



Subjects

606 .	Adhesives and Adhesion
609 .	Materials Science

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Adhesion: Analysis by Fracture Mechanics
The Adhesive Role of Particulate Filler Between Incompatible Rubbers
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Time-Dependent Failure of Bonded Elastomer to Rigid Substrate Joints
Bonding Silica Filled Natural Rubber Compounds to Various Substrates
New Generation of Adhesion Activated Yarn — A Key Product for Innovative Solutions
The Improvement of Interfacial Adhesion of a Reinforced Polyurethane and Steel via Silane Coupling Agents
Key Elements in the Interface of Rubber to Metal Bonds
Some Applications of Analytical and Spectroscopic Techniques in the Study of Rubber Bonding
Automation of Rubber Injection Presses
Multi Component Injection Moulding of Liquid Silicone Rubber/Thermoplastic Combinations
Adhesion of Rubber to Brass — The Influence of Cobalt on Interface Morphology
Post Vulcanisation Bonding
Rubber Bonding Between EPDM Sheets with Various Percent Peroxide
Reaction Kinetics of Rubber to Metal Bonding Agents and its Implications on Bond Durability
Interfacial Bonding Heterogeneity and Synergism in Polymer—Polymer Adhesion Strength

Reviews - Synopsis - Dust Jacket

This volume contains 17 papers which were originally presented at the symposium held November 20-21, 2001 in Cologne, Germany. They discuss technical updates of the current state-of-the-art in bonding technology; introduce some of the developments that have taken place with bonding systems; and examine many aspects of the theoretical background of adhesion science to enable the industrial practitioner to more effectively bond rubbers to various substrates.Target Audience: Primarily technologists; researchers; product development, quality control, and process control professionals concerned with bonding rubber to other materials.

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Rubber Curing Systems (Rapra Review Report 144)

Title	Location	Edition / Series / Misc.

1403 **Rubber Curing Systems (Rapra Review Report 144)**

Author: R.N. Datta
Publish.: Rapra
- place:
- date: 2002
Subject: Curing and Photopolymerization Processes - Recommend this Site
Desc: 152 p, 8.2 x 11.5 Paperback

Dynix:
Call No.:
ISBN: 1859573266
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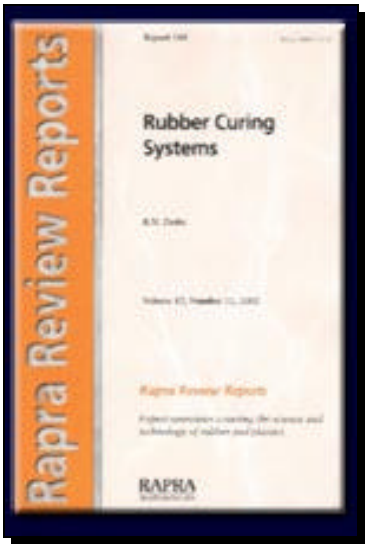
Edition:
Series:
Year: 2002
Price: $123.50



Subjects

612 .	Curing and Photopolymerization Processes
715 .	Recommend this Site

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Introduction
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Reviews - Synopsis - Dust Jacket

The crosslinking of polymer molecules, also known as curing, is widely used to improve the physical properties of elastomeric materials. Sulfur was first used with natural rubber as early as the 1840s; since that time, many new rubber types have been developed and many additional chemicals have been introduced as components of vulcanization systems. In fact, rubber curing systems vary both with the polymer type and the property requirements of a particular application.This review addresses those issues in detail, providing typical formulations and cure types for a number of specific uses. It discusses a wide range of rubber types, including natural rubber, SBR, NBR, BR, IIR, CR, XIIR, and EPDM. The uses of primary and secondary accelerators, prevulcanization inhibitors (PVIs) and antireversion chemicals are outlined. Typical rubber formulations for applications in industrial rubber products and tires are given. Cure systems are described and compared with extensive data tables on formulae and compound properties.From the Introduction: “Crosslinking or curing, i.e. forming covalent, hydrogen or other bonds between polymer molecules, is a technique used very widely to alter polymer properties...Over the years three special types of cure systems have been developed. They are efficient vulcanisation (EV) systems, semi-efficient vulcanisation (SEV) systems, and conventional vulcanisation (CV) systems...”Rapra Review Reports contain a brief overview of the topic, follov extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.Target Audience: Professionals in industry or academia are concerned with rubber curing systems.

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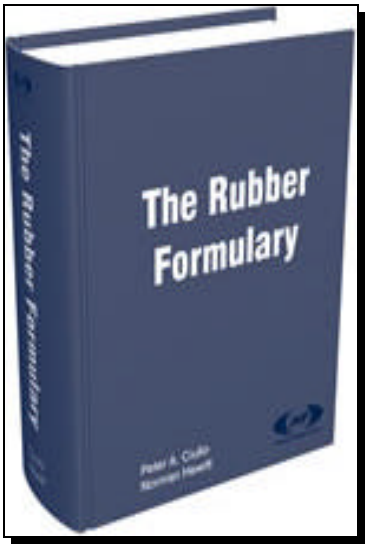
Title	Location	Edition / Series / Misc.

1246 **Rubber Formulary**

Author: Peter A. Ciullo and Norman Hewitt
Publish.: Plastics Design Library
- place:
- date: 1999
Subject: Materials Science - Additives
Desc: 765 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514344
Shelf

Edition:
Series:
Year: 1999
Price: $205.00



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609 .	Materials Science
611 .	Additives

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Acrylate and Epichlorohydrin
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Reviews - Synopsis - Dust Jacket

A long-term stable usage of rubber compounds in the production of components for almost every industry has created the need for this handbook and formulary. Convenience is the primary reason for such a book — with the variety of uses for rubber being as broad as the imagination, a formulary which includes an overview of the history of rubber, as well as sections on ingredients, processing methods, and testing, is a welcome addition to any manufacturer's library.
contains over 500 suggested formulas provided by raw materials suppliers from around the world.From the Preface: "...Ingredients, procedures and test data are presented as supplied, with only those changes needed to conform to the general page layout. The source of each formula is given just below the title..."Target Audience: Technical and managerial personnel involved with the design and manufacture of rubber materials; suppliers of raw materials and services to the rubber industry; and students with these interests.

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Title	Location	Edition / Series / Misc.

1319 **Rubber Processing: An Introduction**

Author: Peter S. Johnson
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: Plastics Processing Technology - Extrusion - Materials Science
Desc: 158 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569903093
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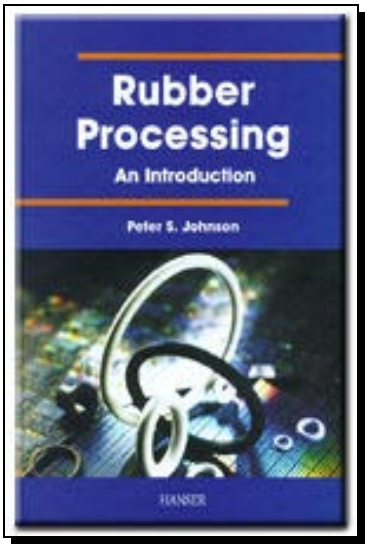
Edition:
Series:
Year: 2001
Price: $63.50



Subjects

598 .	Extrusion
609 .	Materials Science
628 .	Plastics Processing Technology

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Raw Materials Acceptance and Specifications
Mixing of Rubber Compounds
Flow Behavior of Compounds
Testing of Compounds After Mixing
The Curing Process
Calendering of Rubber
Extrusion of Rubber
Molding of Rubber
Finished Product Testing
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Reviews - Synopsis - Dust Jacket

This book deals with all aspects of rubber processing: mixing, milling, calendering, extrusion, and molding, as well as the testing and specification of raw materials, mixed compounds, and finished products. It also covers the importance of rheology in rubber processing and combines basic theory with its application in practice.From the Preface: "...There have been a number of advanced texts produced on various aspects of rubber processing, several of which are listed as references to Chapter 1. However, there has not been a text aimed at people entering the industry who require an overview of the subject. This is such a text and its emphasis is on understanding the processes involved. It is intended as an overview, but the references to the literature will enable the interested reader to dig deeper into any specific topic."Target Audience: Rubber manufacturing engineers, rubber technologists, production management, and suppliers to the rubber industry.

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Title	Location	Edition / Series / Misc.

1408 **Rubber Technologist's Handbook**

Author: Jim R. White and Sadhan K. De, eds.
Publish.: Rapra
- place:
- date: 2002
Subject: Materials Science - Recommend this Site
Desc: 596 p, 7.2 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 1859572626
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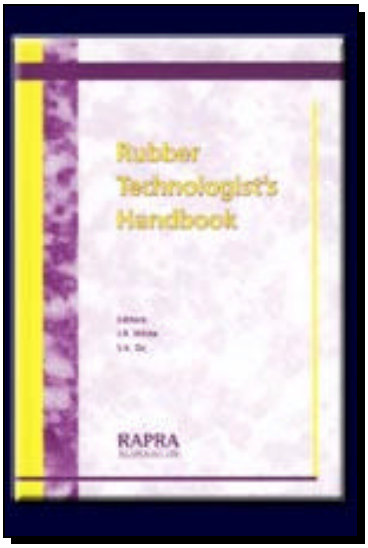
Edition:
Series:
Year: 2002
Price: $236.50



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609 .	Materials Science
715 .	Recommend this Site

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Automotive Rubbers
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Reviews - Synopsis - Dust Jacket

Rubber components are found in virtually every area of modern life. Rubber is used in cars, in shoes, in athletic products, in construction, and in many other applications. The provides a foundation in rubber technology and discusses the most recent developments in the field.From the Preface: “From a materials point of view a rubber product is made from rubber and a host of other additives, including fillers, vulcanising agents and processing aids along with reinforcing materials such as textiles. From a manufacturing point of view, a rubber product is made by following several steps: mixing of additives with the rubber (`compounding') when the rubber is unvulcanised and in the plastic state; shaping the rubber compound and/or bonding it to a substrate; and finally vulcanising or curing the whole assembly, when chemical crosslinks are formed between the rubber molecules to give the material its `elastic' recovery behaviour. The final properties of a rubber product depend on the type of rubber chosen and the additives used and their concentrations...”Target Audience: Engineers, designers, researchers, students, and any other readers concerned with rubber technology.

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Rubber Technology: Compounding and Testing for Performance

Title	Location	Edition / Series / Misc.

1314 **Rubber Technology: Compounding and Testing for Performance**

Author: John S. Dick, ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: Plastics Processing Technology - Additives - QA/QC. Statistics, and
Desc: 592 p, 6.4 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 156990278
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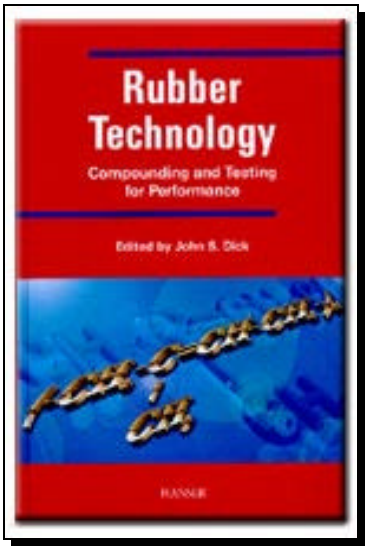
Edition:
Series:
Year: 2001
Price: $138.50



Subjects

607 .	QA/QC, Statistics, and Testing
611 .	Additives
628 .	Plastics Processing Technology

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Sulfur Cure Systems
Cure Systems
Antidegradants
Blowing Agents

Reviews - Synopsis - Dust Jacket

Rubber Technology: Compounding and Testing for Performance practical guide to cost-effective formulating of rubber compounds to achieve optimal processing and performance. It provides a thorough discussion of the principles of rubber compounding, rubber testing, and how various compound changes will affect different properties and test measurements. There is an emphasis on finding the best balance for compound cost, processing properties, and product performance.From the Preface: "...In this book we covered rub compounding as a series of interdependent 'systems' such as the elastomer system, the filler-oil system, the cure system, the antidegradant system, etc. We endeavored to use more of a 'holoistic' approach to show how changes in these inter-related systems can affect specific compound properties...Emphasis was placed on the practical; however, theoretical explanations were used mainly when it was necessary to explain an important principle or concept..."Target Audience: Both novice and experienced rubber compounders and technologists.

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Title	Location	Edition / Series / Misc.

1376 **Safety, Health, and Asset Protection: Management Essentials, 2nd Ed.**

Author: Richard W. Lack, ed.
Publish.: St. Lucie Press
- place:
- date: 2002
Subject: Health. Safetv. and the Environment - General Reference
Desc: 886 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 1566703700
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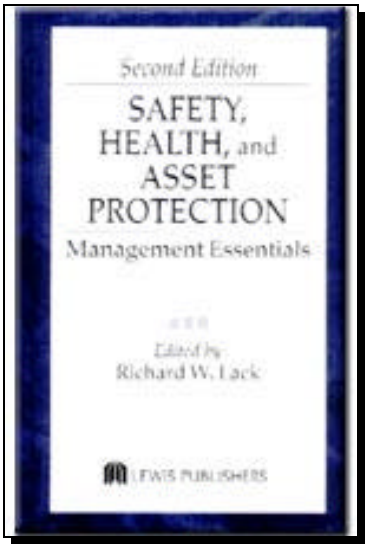
Edition:
Series:
Year: 2002
Price: $98.50



Subjects

604 .	General Reference
623 .	Health, Safety, and the Environment

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Reviews - Synopsis - Dust Jacket

Updated from the first edition, this volume includes more information on the safety standards with which all safety engineers and managers must be proficient. The chapters have been reorganized and expanded to reflect the latest changes in health standards. It provides a blueprint for setting up and monitoring an effective safety and health program. The new edition includes a chapter on international safety and health standards, as well as new information on selected technical aspects of safety and health management, and related aspects of security and fire protection. The extensive discussion of management and communications skills ensures that the reader can successfully administer, as well as develop, a safety, health, and environmental program.From the Foreword: "...As the safety and health management professions have moved into prominence in the past twenty years, the prime goal of each of us has become imparting, sharing, or teaching others we serve, the management and state-of-the-art technical skills we possess. Our professions have become exceedingly more complex and require, among other capabilities, the realization that no one practitioner has all the answers to all the questions...The second edition of Health Management facts, current research, and a glimpse into the future that is found nowhere else..."Target Audience: Environmental and occupational safety and health managers and researchers.Brief Table of Contents:Introduction
Safety Program Management Aspects
Environmental Management Aspects
Health Program Management Aspects
Safety and Health Management: Regulatory Compliance Aspects
Legal Aspects
Risk Management Aspects
Professional Management Aspects
Training Aspects
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Afterword: The Future
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Scanning Probe Microscopes: Applications in Science and Technology

Title	Location	Edition / Series / Misc.

1485 **Scanning Probe Microscopes: Applications in Science and Technology**

Author: K.S. Birdi
Publish.: CRC Press
- place:
- date: 2003
Subject: QA/QC, Statistics, and Testing - Biopolymers and Medical Applicatio
Desc: 328 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 849309301
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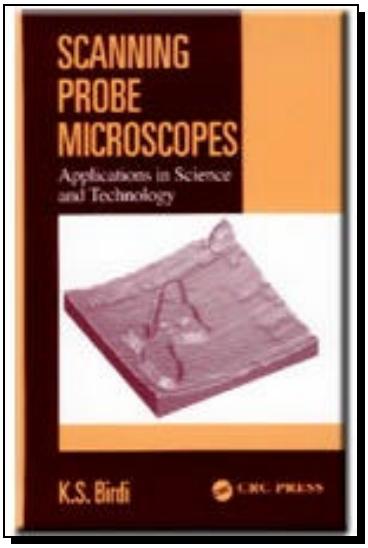
Edition:
Series:
Year: 2003
Price: $116.50



Subjects

607 .	QA/QC, Statistics, and Testing
622 .	Biopolymers and Medical Applications

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Crystal Structures by STM and AFM
Studies of Solid Surfaces by SPMs
Diverse Applications of SPMs (STM and AFM, etc.) and Nanotechnology
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Reviews - Synopsis - Dust Jacket

This book explains, analyzes, and demonstrates the most widely used microscope — the scanning probe microscope (SPM). It introduces the basics of scanning tunneling and atomic force microscopes (STMs and AFMs), along with other types of SPMs, covering the different apparatus, delineating the method of calibration, and providing extensive documentation of experimental procedures.
material at the cutting edge of research which is applicable to both organic and inorganic chemistry research. The reference section contains over 1,000 citations.From the Preface: "...SPMs thus allowed one to see and analyze molecules under ambient laboratory conditions. Later, one could even investigate under fluids (later under high pressure or vacuum). The three-dimensional (digital) images could be analyzed by digital procedures, thus enhancing the analyess. Under dynamic conditions one could see live molecular details, such as gas adsorption. The aim of this book is to guide the reader through the vast developments of SPMs which have taken place over the last decades...The contribution of SPMs to the understanding of SAMs [self-assembly monolayers] has been immense, since this has provided information in three-dimensions, for the first time in literature. The subject of SAMs is becoming a vast application area in both industry (micro-electronics; computer chips) and biological (vesicles; sensors) applications..."Target Audience: Scientists and technologists concerned with applications of scanning probe microscopy.

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Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd Ed.

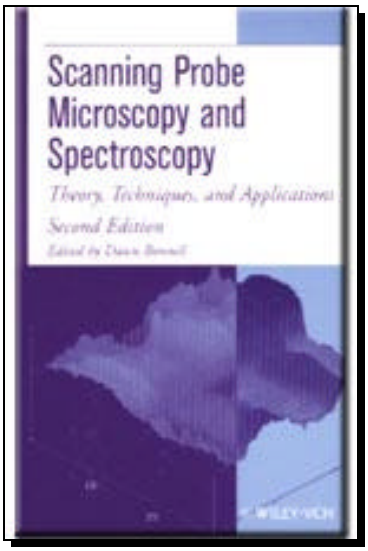
Title	Location	Edition / Series / Misc.

1478 **Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd E**

Author: Dawn Bonnell, ed.
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: Surface Characterization and Analysis - Polymer Surface Chemistry
Desc: 512 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 47124824
Shelf

Edition:
Series:
Year: 2001
Price: $131.50



Subjects

601 .	Polymer Surface Chemistry
607 .	QA/QC, Statistics, and Testing
608 .	Surface Characterization and Analysis

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Fundamentals of Operation:
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The Surface Structure of Crystalline Solids
The Preparation of Tip and Sample Surfaces for Scanning Probe
ExperimentsApplications of Scanning Probe Microscopy:
Electrostatic and Magnetic Force Microscopy
BEEM and the Characterization of Buried Interfaces
The Scanning Probe Microscope in Biology
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Appendices: Definitions, Empirical Simulation of STM Images,
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Reviews - Synopsis - Dust Jacket

Over the past two decades, scanning probe microscopies and spectroscopies have gained acceptance as indispensable characterization tools for an array of disciplines. The second edition of this popular work provides novices and experienced researchers with a highly accessible treatment of basic theory, alongside detailed examples of current applications of both scanning tunneling and force microscopies and spectroscopies.This revised edition has been updated and expanded to reflect important advances and new applications. In addition to the numerous examples, the second edition features expanded coverage of electrostatic and magnetic force microscopies, near-field optical microscopies, and new applications of buried interfaces in nanomechanics, electrochemistry, and biology.From the Preface: "...With the commercializati many new imaging modes and the application to new fields, the needs of the average user of scanning probe microscopy (SPM) have changed. For example imaging modes based on magnetic forces and on surface potential are now routine, rather than specialty tools. The extended use of intermittent contact modes in and out of liquids has greatly expanded applications in life sciences. The purpose of this second edition is to address this broader field with the expectation that readers will again be positioned to use current tools and to exploit the advances of the next decade..."Target Audience: Surface scientists, microscopists, and spectroscopi in materials science, chemistry, engineering, biochemistry, physics, and the life sciences, as well as advanced students in these disciplines.

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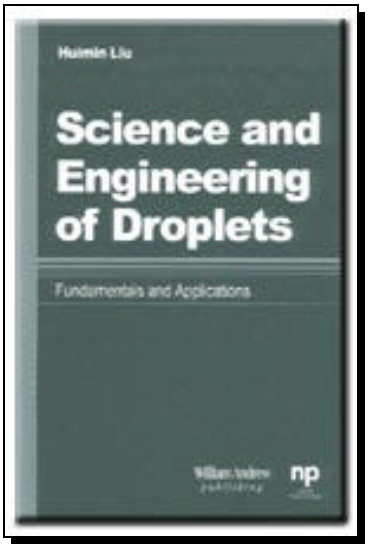
Title	Location	Edition / Series / Misc.

1288 **Science and Engineering of Droplets: Fundamentals and Applications**

Author: Huimin Liu
Publish.: Noyes Publications
- place:
- date: 2000
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Desc: 540 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 815514360
Shelf

Edition:
Series:
Year: 2000
Price: $98.50



Subjects

600 .	Interfacial Engineering and Surface Science
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

Droplets are encountered in nature and a wide range of engineering applications such as spray combustion, spray drying, spray cooling, spray atomization, spray deposition, thermal spray, spray inhalation, aerosol spray, crop spray, paint spray, and many others. The related areas span automotive, aerospace, metallurgy, materials, medicine, food processing, agriculture, meteorology, and power generation.It was these applications that stimulated the fundamental research a development of the technologies associated with discrete droplets. In recent years, strong research efforts have led to significant strides in theoretical and experimental studies of droplet processes. The dramatic improvements in computer technology and advanced computational and measurement techniques have enabled the direct numerical modeling and on-line, in-situ measurements of droplet properties. This has resulted in improved atomizer design and the optimization of atomization and spray processes. These advances have significantly improved our understanding of discrete droplet phenomena, making it desirable to review these results in a timely manner.Science and Engineering of Droplets: Fundamentals and Applications
principles, and processes of discrete droplets of both normal liquids and melts — an area of interest to a huge range of industrial enterprises. It begins with a systematic review of various processes and techniques, along with their applications and associations with material systems. This is followed by a description of the phenomena and principles in droplet processes.Target Audience: Experienced researchers, scientists, and engineers who are concerned with processes involving discrete droplets, atomization, and the like.

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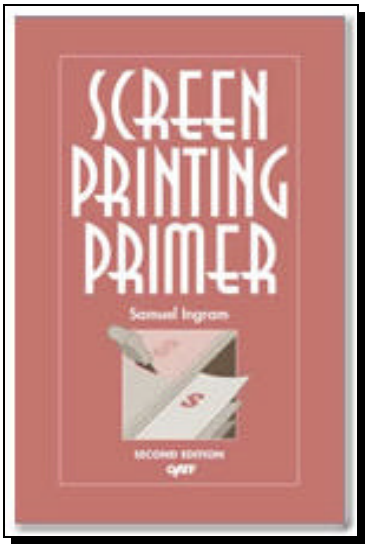
Title	Location	Edition / Series / Misc.
1157 **Screen Printing Primer, 2nd Ed.**		*Edition:*
Author: Samuel Ingram	*Dynix:*	*Series:*
Publish.: GATF	*Call No.:*	
- place:	*ISBN:* 883622076	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Printing Technology - Inks and Coatings		*Price:* $21.50
Desc: 152 p, 5.5 x 8.5 Paperback		



Subjects

603 .	Inks and Coatings
624 .	Printing Technology

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The Image Carrier
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Substrates and Inks
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Reviews - Synopsis - Dust Jacket

Diversity, flexibility, quality, and uniqueness are but a few of the terms used in this book to describe the role of screen printing in graphic communications. This book is a brief, illustrated, non-technical introduction to the screen printing processes that can be understood by non-printers.The reference to the current technology, processes, and terminology of screen printing. It begins with an overview of printing processes in general, followed by a discussion of screen printing, its products, and markets. A glossary of commonly used terms is provided.From the Preface: “...Today's screen printing industry ranges in applications from membrane switch technology to fine art to textile and garment products. Technological innovation has continued to integrate quality and responsiveness to the industry. Large-format graphics, container printing, and use of nonconventional ink systems are but a sample of the product options readily available via screen printing. Screen printing also offers the versatility to apply graphics and materials to practically any shape, composition, or number of substrates..."Target Audience: Written for the general reader who wishes to understand the current state of screen printing.

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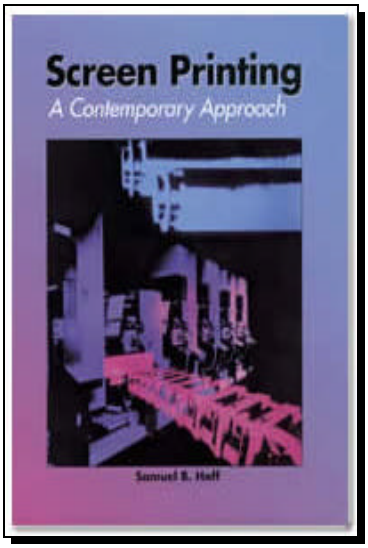
Title	Location	Edition / Series / Misc.

1096 **Screen Printing: A Contemporary Approach**

Author: Samuel B. Hoff
Publish.: Delmar
- place:
- date: 1997
Subject: Printing Technology - Inks and Coatings - Textiles and Nonwovens
Desc: 298 p, 8 x 9 Hardcover

Dynix:
Call No.:
ISBN: 827371284
Shelf

Edition:
Series:
Year: 1997
Price: $53.50



Subjects

603 .	Inks and Coatings
624 .	Printing Technology
631 .	Textiles and Nonwovens

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Stencil Systems
Squeegees
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Screen Printing Presses and Dryers
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Reviews - Synopsis - Dust Jacket

With in-depth explanations, this book addresses each stage of the screen printing process, while discussing technological advances and recent industry trends. The photographs, charts, diagrams, and graphics illustrate all the procedures and concepts behind the techniques of screen printing. The glossary is comprehensive and of great value in itself.From the Preface: "...This book contains curren practices of the screen printing industry as well as cutting edge technology. It emphasizes screen printing as a technical process rather than an artistic craft process. Each of the nine chapters has key technical terms highlighted and inculdes study questions to enhance learning of the chapter content. The final chapter of the text is a comprehensive glossary of screen printing terms taken from the Screenprinting and Graphic Imaging Association (S.G.I.A.) Glossary..."Target Audience: Educators and students in high school, college, trade, or technical school courses; technical personnel in the screen printing industry; and artists with an interest in the technical aspects of the process.

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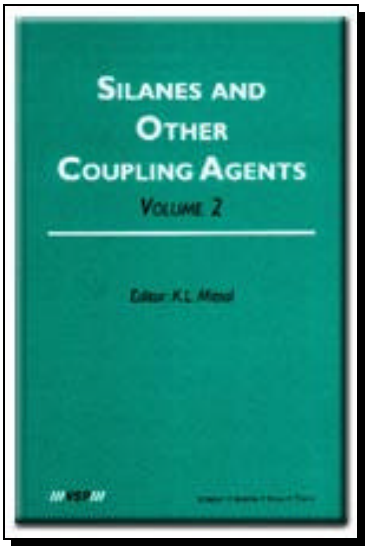
Title	Location	Edition / Series / Misc.

1386 **Silanes and Other Coupling Agents, Vol. 2**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2000
Subject: Adhesives and Adhesion - Coating Processes - Interfacial Engineeri
Desc: 300 p, 6.6 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 9067643319
Shelf

Edition:
Series:
Year: 2000
Price: $81.50



Subjects

235 .	Coating processes
600 .	Interfacial Engineering and Surface Science
606 .	Adhesives and Adhesion

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Investigation of the Adsorption of Mono- and Bifunctional Silanes from Toluene onto Porous Silica Particles and from Aqueous Solutions onto E-Glass Fibers
The Interaction of Resole and Novolak Phenolic Resins with Gamma-Aminopropyltriethoxysilane Treated E-Glass Surface: A High Resolution XPS and Micromechanical Study
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The Use of XPS for Characterisation of Glass Fibre Sizings
Use of Silane Coupling Agents as Dispersion Promoters for Iron Particles in Solventless Magnetic Tape Coating Formulations
Corrosion Resistance Imparted to Aluminum by Silane Coupling Agents
Corrosion Protection of Aircraft Aluminum Alloys Using Bis-Functional SilanesNon-Silane Coupling Agents/Adhesion Promoters:
Surface `IntelliGraft' as a New Class of Adhesion Promoters
Hydroxymethylated Resorcinol Coupling Agent for Wood Surfaces to Produce Exterior Durable Bonds
Sol-Gels as Alternative Adhesion Promoters for Low-VOC, Nonchromated Adhesive and Sealant Applications
Beta-Diketone Functionalized Polymers: Novel Coupling Agents for Enhancing the Adhesion of Epoxy to Steel
Spectroscopic and Mechanical Studies of RF Plasma-Polymerized Films Deposited at Low Temperature from Organosilane Precursors
Interfacial and Corrosion Studies of Plasma Polymer Coated Steel and Galvanized Steel

Reviews - Synopsis - Dust Jacket

Silanes are the most popular and widely used coupling agents (or adhesion promoters) for succesful adhesion between two different materials. A brief list of their applications includes coatings technology, adhesive bonding, reinforced composites, and sealants. The 18 papers contained in this volume were originally presented at the International Symposium on Silanes and Other Adhesion Promoters in Newark, NJ, October 21-23, 1998 — they have all undergone rigorous peer review and revision prior to publication.From the Preface: "...The availability of modern surface analysis techniques has been a boon in unravelling the mechanism(s) by which coupling agents perform. Since the first symposium on this topic, there had been a tremendous R&D activity in developing new and more effective adhesion promoters and in understanding and optimizing the

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performance of available coupling agents..."Target Audience: Any researcher, technologist, or student interested in promoting adhesion between different materials over a myriad of applications.

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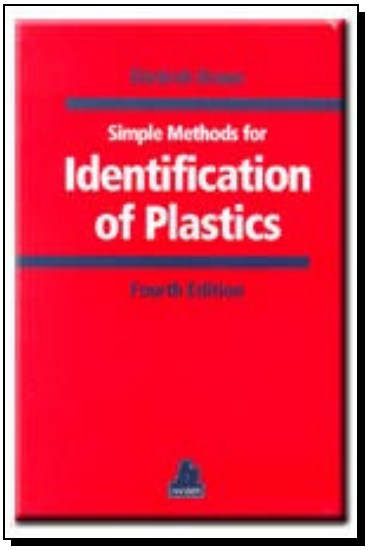
Title	Location	Edition / Series / Misc.

1021 **Simple Methods for Identification of Plastics, 4th Ed.**

Author: Dieter Braun
Publish.: Hanser Gardner
- place:
- date: 1999
Subject: General Reference - Health. Safetv. and the Environment - Materials
Desc: 138 p, 5.5 x 8.3 Paperback

Dynix:
Call No.:
ISBN: 1569902801
Shelf

Edition:
Series:
Year: 1999
Price: $36.50



Subjects

604 .	General Reference
609 .	Materials Science
623 .	Health, Safety, and the Environment

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Reviews - Synopsis - Dust Jacket

Processors and users of plastics often have to determine the chemical nature of a plastics sample. In contrast to plastics producers, however, they usually lack the specially equipped laboratories and the analytically trained staff for this purpose. The revised edition of this popular book explains various simple low cost ways to identify plastics. It contains updated information on trade names, raw material suppliers, and polymer blends.The
Plastics
extensive knowledge of chemistry. The new edition contains many enhancements, such as sections on thermoplastic elastomers, high-temperature resistant thermoplastics, metal-containing stabilizers in PVC, and a brief discussion of more advanced analytical methods such as infrared spectroscopy. It includes the Plastics Identification Table by Hansjurgen Saechtling.From the Preface: "...The complete identification of a high-molecular weight organic material is a rather complicated and often expensive problem. For many practical needs it is often sufficient to determine to which class of plastics an unknown sample belongs, for example to find out whether the material is a polyolefin or a polyamide. To answer such a question usually one only needs to use simple methods which do not require special chemical expertise..."Target Audience: Technicians, engineers, and technical service reps who need a guide to simple plastics identification.

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Six Sigma and Beyond, Vol. VII: The Implemenation Process

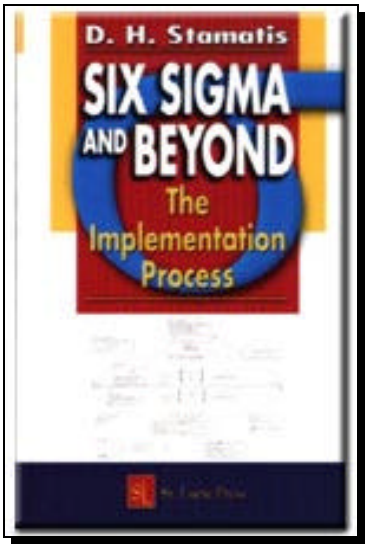
Title	Location	Edition / Series / Misc.

1455 **Six Sigma and Beyond, Vol. VII: The Implemenation Process**

Author: D.H. Stamatis
Publish.: St. Lucie Press
- place:
- date: 2003
Subject: OA/OC. Statistics. and Testing - General Reference
Desc: 652 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 157444316
Shelf

Edition:
Series:
Year: 2003
Price: $106.50



Subjects

604 .	General Reference
607 .	QA/QC, Statistics, and Testing

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Six Sigma for Champions
Six Sigma for Master Black Belts
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Six Sigma for Green Belts
Six Sigma for General OrientationTraining for the DCOV Model:
DFSS Training
Six Sigma Certification
Glossary
IndexesNote:
books in this series are:
href="http://www.polysurfacesbookstore.com/pages/3631.html">Vol. 1
(
href="http://www.polysurfacesbookstore.com/pages/3632.html">Vol. 2
(
href="http://www.polysurfacesbookstore.com/pages/3633.html">Vol. 3
(
href="http://www.polysurfacesbookstore.com/pages/3730.html">Vol. 4
(
href="http://www.polysurfacesbookstore.com/pages/3778.html">Vol. 5
(
href="http://www.polysurfacesbookstore.com/pages/3734.html">Vol. 6
(

Reviews - Synopsis - Dust Jacket

Six Sigma and Beyond: The Implementation Process
volume of a seven volume set) presents a synopsis of the curriculum that a typical six sigma program should follow. This volume differs from the preceding ones in that it is an implementation volume; therefore, the information is geared toward helping you formalize your own training. The book establishes the minimum requirements for the six sigma methodlogy and provides the body of knowledge needed for a successful and rewarding implemetation of the six sigma process. The intent is to present a curriculum that covers manufacturing, transactional, and technical organizations and institutions. This volume includes a glossary of nearly 70 pages, as well as detailed indexes for all seven volumes.From the Preface: "...This work will attempt to focus sigma and
beyond for both manufacturing and transactional organizations.
Specifically, we will discuss the foundations of quality, and progressively, we will move into what is called the six sigma methodology from a design perspective. We will discuss some of the tools used in the methodology and close this series with an implementation scheme that, if followed, will help any organization improve both their processes and

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financial status..."Target Audience: Academics and practitioners who desire to understand quality systems and the six sigma concept, including especially those individuals charged with implementation of six sigma methodology.

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Society of Vacuum Coaters Technical Conference Proceedings 1991-2000 CD-ROM Edition

LASCT Holdings - maximum detail by Title **S**

Title	Location	Edition / Series / Misc.

1329 **Society of Vacuum Coaters Technical Conference Proceedings 1991-2000 CD-ROM Edition**

Author: SVC Staff
Publish.: Society of Vacuum Coaters
- place:
- date: 2001
Subject: Coating Processes - Paints and Protective Coatings
Desc: 0 p, CD-ROM

Dynix:
Call No.:
ISBN: 815514824
Shelf

Edition:
Series:
Year: 2001
Price: $81.50

Subjects

235 .	Coating processes
617 .	Paints and Protective Coatings

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Begin Here
Technical Quick Tips
Key Words Index
Manuscripts (1991-2000)
Abstracts/Paper Summaries (1957-2000)

Reviews - Synopsis - Dust Jacket

This CD-ROM compilation presents over 43 years of information from the Society of Vacuum Coaters! In addition to manuscripts from the technical conferences for the years 1991 through 2000, it includes abstracts and paper summaries dating back to 1957. The CD has been designed to be the most efficient single way to quickly search through the evolution of vacuum coating technology in order to find the information you need. In addition to the articles and abstracts, it features a table of contents, keyword searches, direct links to the manuscripts which are available, and a link to the SVC Web Site. An invaluable information resource.About the Society of Vacuum Coaters: “As a non-prc professional and educational organization, the Society of Vacuum Coaters is dedicated to the development of equipment and processes for high-volume production of coatings using vacuum-based processes.”Target Audience: Members of the Society of Vacuum Coaters, Americar Vacuum Society, and people in industry using physical vapor deposition and other deposition technologies for production.

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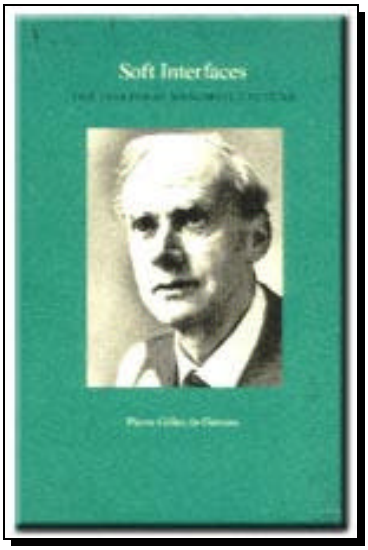
Title	Location	Edition / Series / Misc.

1189 **Soft Interfaces: The 1994 Dirac Memorial Lecture**

Author: Pierre Gilles de Gennes
Publish.: Cambridge University Press
- place:
- date: 1997
Subject: Interfacial Engineering and Surface Science - Adhesives and
Desc: 128 p, 5 x 7.2 Hardcover

Dynix:
Call No.:
ISBN: 521564174
Shelf

Edition:
Series:
Year: 1997
Price: $21.50



Subjects

600 .	Interfacial Engineering and Surface Science
601 .	Polymer Surface Chemistry
606 .	Adhesives and Adhesion

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Reviews - Synopsis - Dust Jacket

This much expanded version of the 1994 Cambridge lecture by Nobel Laureate Pierre Gilles de Gennes presents an impressionistic tour of the physics of soft interfaces. Full of insight and interesting asides, it not only provides an accessible introduction to this topic, but also lays down many markers and signposts for new research possibilities. The text begins with a brief discussion of wetting and dewetting, and then moves on to consider the dynamics of different types of interfaces before considering adhesion and polymer/polymer welding. Recommended.From the Text: "...From the point of view of soft interface physics,
the present times are fortunate: centuries of empirical knowledge about `tribology' (friction) or `colloids' (ultradivided matter) can progressively be correlated to detailed structural data at the 10 angstrom level...I will insist on some general features of soft interfaces which were mentioned at the start: borders which can be mobile, diffuse, and active..."Target Audience: Condensed matter physicists, polymer and materials scientists, physical chemists, chemical engineers, and any other reader interested in interfaces, wetting phenomena, and adhesion.

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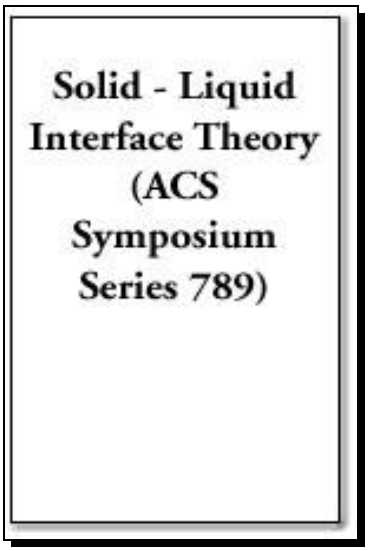
Title	Location	Edition / Series / Misc.

1330 **Solid - Liquid Interface Theory (ACS Symposium Series 789)**

Author: J. Woods Halley, ed.
Publish.: American Chemical Society
- place:
- date: 2001
Subject: Interfacial Engineering and Surface Science - Surface
Desc: 248 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 841237174
Shelf

Edition:
Series:
Year: 2001
Price: $95.00



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis

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Electronic Properties of the Metal—Solvent Interface:
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Modeling Metal Dissolution in Aqueous Electrolye: Hartee—Fock and Molecular Dynamics Calculations
Electron Wave Packet Propagation Studies of Electron Transfer at the Semiconductor—Liquid InterfaceOxides at Liquid—Surface Interfaces:
An X-ray Diffraction Study of the Passive Oxide Film on Iron
Modeling Dynamic Properties of Mineral Surfaces
Molecular Statics Calculations of Acid—Base Reactions on Magnetite(001)Electronic Structure and Chemical React of Metal Oxides—Water Interfaces
Modeling of Semiconductor—Electrolyte Interfaces with Tight-Binding Molecular DynamicsOrganic Liquid—Solid Interfaces:
Structural and Dynamic Properties of Hexadecane Lubricants under Shear Flow in a Confined Geometry
Complete Spreading of Liquid Droplets on Heterogeneous Substrates: Simulations and Experiments
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Reviews - Synopsis - Dust Jacket

This collection of papers reviews the current status of efforts to predict properties of electrochemical interfaces. Recent work requires large-scale computation in most cases, but the chapters in this volume discuss theoretical inputs and approaches as well as computational techniques. The book emphasizes efforts which are based on first principles starting with the Schroedinger equation, but which draw conclusions relevant to electrochemical phenomena on time and length scales which are larger than those directly accessible by first principles methods.From the Foreword: "...The purpose of the [ACS Symposium] series is to publish timely, comprehensive books developed from ACS sponsored symposia based on current scientific research. Occasionally, books are developed from symposia sponsored by other organizations when the topic is of keen interest to the chemistry audience..."Target Audience: Scientists, technologists, researchers, and upper-level students concerned with the solid—liquid interface, especially with regard to metal and oxide surfaces.

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Solid Lubrication Fundamentals and Applications

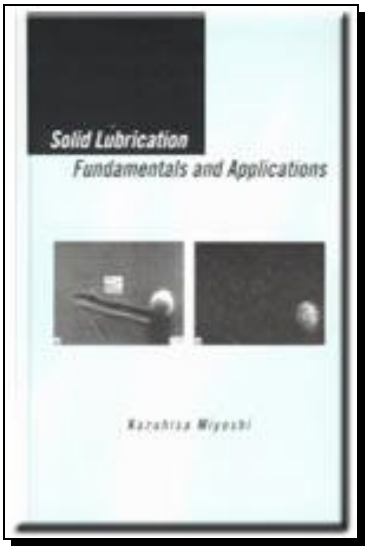
Title	Location	Edition / Series / Misc.

1371 **Solid Lubrication Fundamentals and Applications**

Author: Kazuhisa Miyoshi
Publish.: Marcel Dekker
- place:
- date: 2001
Subject: Wear, Weathering, and Tribology - Materials Science - Surface
Desc: 412 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824789059
Shelf

Edition:
Series:
Year: 2001
Price: $88.50



Subjects

608 .	Surface Characterization and Analysis
609 .	Materials Science
614 .	Wear, Weathering, and Tribology

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Introduction and Background
Characterization of Solid Surfaces
Properties of Clean Surfaces: Adhesion, Friction, and Wear
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Abrasion: Plowing and Cutting
Friction and Wear Properties of Selected Solid Lubricating Films: Case Studies
Aerospace Mechanisms and Tribology Technology: Case Studies
Structures and Mechanical Properties of Natural and Synthetic Diamond
Chemical-Vapor-Deposited Diamond Film
Surface Design and Engineering Toward Wear-Resistant, Self-Lubricating Diamond Films and Coatings
Index

Reviews - Synopsis - Dust Jacket

This comprehensive reference describes the adhesion, friction, and wear behavior of solid film lubricants and related tribological materials, including diamond and diamond-like solid films, and provides selection and design criteria as well as current applications for synthetic and natural coatings in the commercial, industrial, and aerospace industries.Solid Lubrication Fundamentals and Applications on the fundamentals of surface characterization; chemical-vapor-deposited diamond film technology; friction mechanisms on clean and smooth surfaces; the effect of surface contamination on friction and adhesion; modern analytical procedures for solid surfaces and thin films; ion-implanted diamond films for ultrahigh vacuum environments; and more.From the Preface: “This book reviews studies and observations on the adhesion, friction, wear, and lubrication behavior of dry solid film lubricants and materials, including diamond and related solid films — emphasizing environmental effects and basic material properties. It also gives a reasonably concise treatment of solid lubricant applications to dry lubrication. Many examples are given throughout the book on the nature and character of solid surfaces and their significance in lubrication, friction, and wear...”Target Audience: Materials, mechanical, surface, chemical, automotive, aerospace, heat transfer, and petroleum engineers; tribologists; lubricant formulators; metallurgists; and upper-level students in these disciplines.

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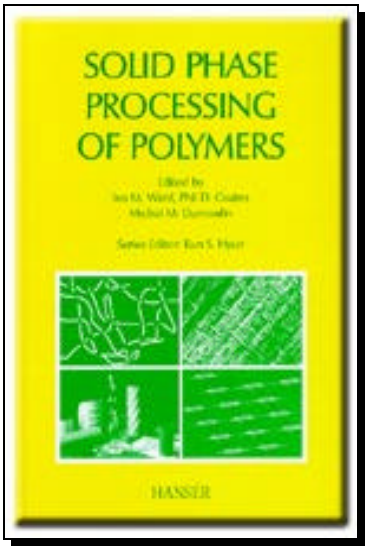
Title	Location	Edition / Series / Misc.

1299 **Solid Phase Processing of Polymers**

Author:
Publish.: Hanser Gardner
- place:
- date: 2000
Subject: Plastics Processing Technology - Composites, Laminates, and
Desc: 428 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569903077
Shelf

Edition:
Series:
Year: 2000
Price: $115.00



Subjects

613 .	Polymer Characterization
625 .	Composites, Laminates, and Fibers
628 .	Plastics Processing Technology

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Introduction
Deformation Mechanisms and Morphology of Crystalline Polymers
Characterization of Orientation
Solid State Processing of Fibers
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Development of Molecular Orientation During Biaxial Film Tentering of PET
Rolling and Roll-Drawing of Semi-Crystalline Thermoplastics
Planar Deformation of Thermoplastics
Solid State Extrusion and Die Drawing
Mathematical Modelling
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Reviews - Synopsis - Dust Jacket

This useful bridge between polymer engineering and polymer physics provides a comprehensive account of solid phase polymer processing, with particular emphasis on the formation of oriented polymers in the form of fibers, films, and solid sections, including rods, sheets, and tubes.Solid Phase Processing of Polymers materials can be produced by a wide range of techniques, including tensile drawing, die drawing, ram extrusion, and hydrostatic extrusion. It also discusses how the development of molecular orientation and structural changes lead to improvements in properties, especially in mechanical properties.Target Audience: This should serve as a valuable tool for experienced polymer scientists and technologists and as a useful introduction for those entering this field.

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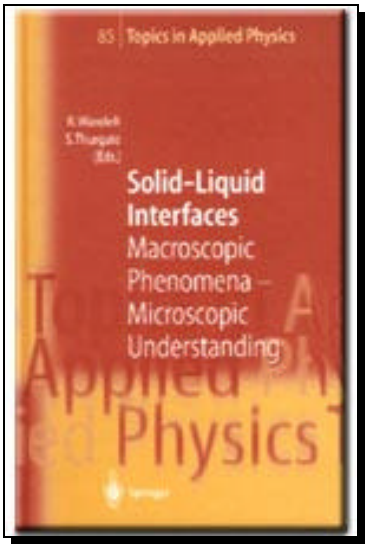
Title	Location	Edition / Series / Misc.

1487 **Solid-Liquid Interfaces: Macroscopic Phenomena - Microscopic Understanding**

Author: K. Wandelt and S. Thurgate, eds.
Publish.: Springer
- place:
- date: 2003
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Desc: 460 p, 6 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 3540425837
Shelf

Edition:
Series:
Year: 2003
Price: $126.50



Subjects

600 .	Interfacial Engineering and Surface Science
715 .	Recommend this Site

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Adsorption in Processing Technologies:
Surface Analytical Studies of Oxidation and Collector Adsorption in Sulfide Mineral Flotation
Metals from Sulfide Minerals: The Role of Adsorption of Organic Reagents in Processing Technologies
SXPS and XANES Studies of Interface Reactions of Organic Molecules on Sulfide Semiconductors
Recovery of Gold from Its Ores: An STM Investigation of Adsorption of the Aurocyanide onto Highly Oriented Pyrolytic GraphiteAnion Adsorption:
Atomic Structure of Cu(111) Surfaces in Dilute Sulfuric Acid Solution
Chloride Adsorption on Cu(111) Electrodes: Electrochemical Behavior and UHV Transfer Experiments
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Reviews - Synopsis - Dust Jacket

This volume presents state-of-the-art investigations of properties and processes at solid—liquid interfaces with the same precision as is standard in ultra-high-vacuum-based surface science. Using combinations of in situ and ex situ experimental methods, fundamental and relevant phenomena such as adsorption and desorption of ions and molecules, restructuring of surfaces, thin film and nanocluster growth, and electrochemical reactions on the micrometer scale are addressed. The overview includes a wide range of experimental techniques and examples of solid—liquid interfaces, and aims at stimulating an expansion of research in this type of interface science.From the Preface: "...Some of the largest-scale industrial processes such as flotation, metal recovery and refinement, galvanization, electrolysis, passivation, etc. are based on phenomena at solid—liquid interfaces. Macroscopically these phenomena are well described. Their characterization on the atomic and molecular level, however, constitutes a new dimension of complexity, and, thus, scientific challenge, because the concealment of the interface between two condensed phases excludes the application of most of the established [surface science] techniques..."Target Audience: Upper-level students, researchers and technologists in academia and industry interested in micro- nano-scale understanding of solid—liquid interfaces.

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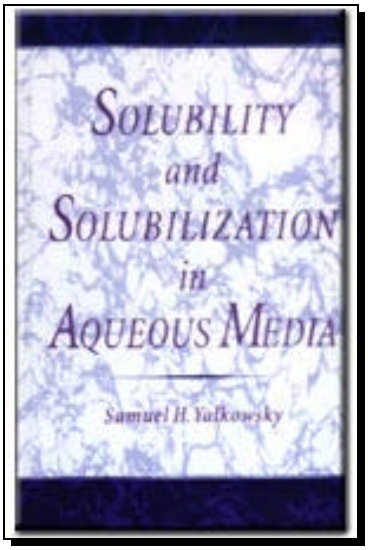
Title	Location	Edition / Series / Misc.
1214 **Solubility and Solubilization in Aqueous Media**		*Edition:*
Author: Samuel H. Yalkowski	*Dynix:*	*Series:*
Publish.: American Chemical Society	*Call No.:*	
- place:	*ISBN:* 841235767	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Biopolymers and Medical Applications - Colloids and Emulsions -		*Price:* $98.50
Desc: 496 p, 6.1 x 9.2 Hardcover		



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Mixing and Properties of Mixtures
Characterization of Solutions
Solubility and Partial Miscibility
Physical Modification of the Solute
Solubilization by pH Control
Solubilization by Cosolvents
Solubilization by Surfactants
Solubilization by Complexation
Effect of Cosolutes on Solubility
Overview and Strategy for Solubilization
Index

Reviews - Synopsis - Dust Jacket

This book shows methods for controlling the solubility or dissolution rate of drugs and other biologically active solutes in aqueous media. It begins by describing the factors that govern solubility in general and aqueous solubility in particular. Then the book outlines the various available techniques for altering solubility and dissolution rates of organic compounds. Using a number of real drugs as examples, the book covers the most commonly used solubility enhancers, including buffers, cosolvents, surfactants, and complexants. Each chapter is self-contained, and emphasizes the details involved in applying the techniques.From the Preface: "...Although solubility and solubilization were approached from both a conceptual and a practical point of view, emphasis is placed on the latter. Whenever possible, literature citations are used to illustrate the applicability of the various types of solubility enhancers...The bulk of the book is devoted to the various techniques available for altering the solubility and dissolution rate of organic compounds in aqueous media...Although the discussions are applicable to solubilizing all organic compounds in all aqueous media, emphasis is placed on solubilizing drugs for parenteral use..."Target Audience: Scientists, technologists, and upper-level student concerned with aqueous solubility, drug delivery, pharmaceutical applications, and related fields.

Subjects

605 .	Solubility and Surfactants
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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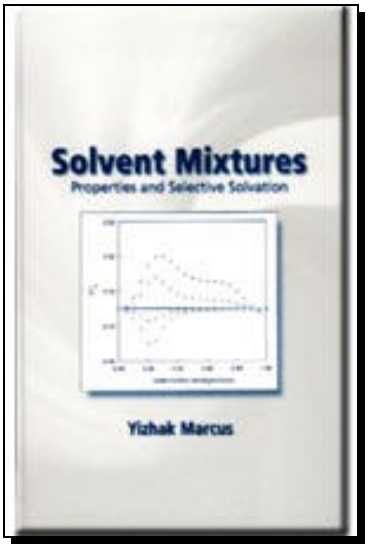
Solvent Mixtures: Properties and Selective Solvation

Title	Location	Edition / Series / Misc.
1451 **Solvent Mixtures: Properties and Selective Solvation**		*Edition:*
Author: Yizhak Marcus	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824708377	
- date: 2002	*Shelf*	*Year:* 2002
Subject: Solubility and Surfactants - Recommend this Site		*Price:* $131.50
Desc: 278 p, 6 x 9 Hardcover		



Subjects

605 .	Solubility and Surfactants
715 .	Recommend this Site

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Introduction
Properties of Binary Solvent Mixtures
The Structure of Solvent Mixtures
Preferential Solvation in Binary Solvent Mixtures
Preferential Solvation of Solutes
Multicomponent Solvent Mixtures
Index

Reviews - Synopsis - Dust Jacket

This reference examines the properties, function, and behavior of binary, ternary, and multicomponent mixtures in the presence and absence of solutes. It details the effects and impact of preferential solvation on the environment, action, and components of the chemical systems.Solvent Mixtures diffraction, computer simulation, and spectroscopy for determining solvent mixture structures and interactions, as well as analyses of preferential solvation phenomena; presents models for organic, ionic, macromolecular, and biochemical solutes; discusses excess Gibbs energy and volume, enthalpy, and entropy; describes chemical probes for polarity, electron pair donicity, and hydrogen bond formation; and more.From the Preface: "...Contrary to solvation in single solvents solvent mixtures the phenomenon of preferential solvation may take place. This adds to the difficulty in interpreting experimental results, but, on the other hand, is of interest in itself...[T]he use of mixed solvents entails knowing their properties as functions of the compositions as well as an understanding of any preferential solvation that takes place. It is the purpose of this book to provide a solid basis for this knowledge and understanding..."Target Audience: Analytical, coordination, process, separation, surface, organic, inorganic, physical, and environmental chemists; geo-, electro-, radio- and biochemists; membrane researchers; chemical engineers; and upper-level students in these disciplines.

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Title	Location	Edition / Series / Misc.

1102 **Solvent-Free Adhesives (Rapra Review Report 101)**

Author: T.E. Rolando
Publish.: Rapra
- place:
- date: 1997
Subject: Adhesives and Adhesion - Additives - Coating Processes
Desc: 136 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859571336
Shelf

Edition:
Series:
Year: 1997
Price: $101.50

Subjects

235 .	Coating processes
606 .	Adhesives and Adhesion
611 .	Additives

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Introduction
Water-Based Adhesives
Hot Melt Adhesives
Liquid (100% Solids) Adhesives
Ultraviolet and Electron Beam Curable Adhesives
Future Trends
Additional References
References from the Rapra Abstracts Database
Subject Index

Reviews - Synopsis - Dust Jacket

Interest in solvent-free adhesives is increasing because of environmental concerns about the use of solvent-based adhesives and the subsequent need to decrease or eliminate solvent use. This review report classifies solvent-free adhesives by the type of chemistry of the adhesive, rather than by the mode of application or by the end use. It describes some of the recent advances in technology in the dynamic and ever-improving solvent-free adhesives arena.From the Introduction: "...[The] growth of solvent-free adhesives has come at a time of constantly changing end-use environments, such as increasingly difficult surfaces to adhere to and use under extreme conditions, despite the technological challenges of going from solvent-based technologies to solvent-free technologies...Helping fuel the growth of solvent-free adhesives has been the improved and innovative adhesive manufacturing capabilities of adhesive companies and the development of new methods of delivering adhesives by application equipment manufacturers..."Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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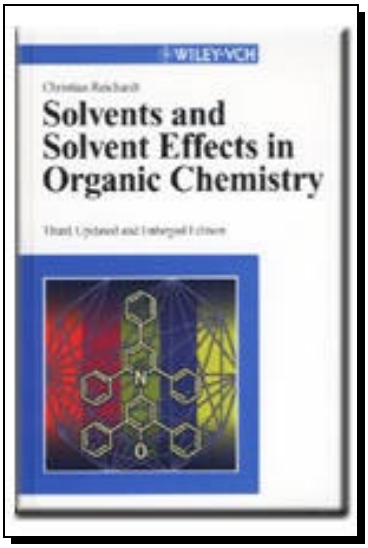
Title	Location	Edition / Series / Misc.

1504 **Solvents and Solvent Effects in Organic Chemistry, 3rd Ed.**

Author: Christian Reichardt
Publish.: Wiley - VCH
- place:
- date: 2003
Subject: Solubility and Surfactants - Recommend this Site
Desc: 656 p, 6.5 x 0.5 Hardcover

Dynix:
Call No.:
ISBN: 3527306188
Shelf

Edition:
Series:
Year: 2003
Price: $141.50



Subjects

605 .	Solubility and Surfactants
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

Virtually every chemist must at some time deal with solvent effects, whether voluntarily or otherwise. Since its original publication in 1978, Solvents and Solvent Effects in Organic Chemistry standard reference on all topics related to this field. The updated and enlarged third edition of this classic provides a wealth of information on the subject, allowing chemists to understand and effectively use these phenomena. Includes 25% more information than the previous edition, including current developments such as ionic liquids. Extensively referenced.From the Preface: "...Following the same layout as in the second edition, all topics retained have been brought up to date, with smaller and larger changes and additions on nearly every page...The references cover the literature up to the end of 2001. From the vast number of published papers dealing with solvent effects in all areas of organic chemistry, only some illustrative examples from the didactic and systematic point of view could be selected. This book is not a monograph covering all relevant literature in this field of research...However, using the reviews cited, the reader will find easy access to the full range of papers published in a certain field of research on solvent effects..."Target Audience: Organic chemists, and other researchers and upper level students concerned with solvent effects in organic chemistry.Brief Table of Contents:Introduction
Solute—Solvent Interactions
Classification of Solvents
Solvent Effects on the Position of Homogeneous Chemical Equilibria
Solvent Effects on the Rates of Homogeneous Chemical Reactions
Solvent Effects on the Absorption Spectra of Organic Compounds
Empirical Parameters of Solvent Polarity
Appendices
References
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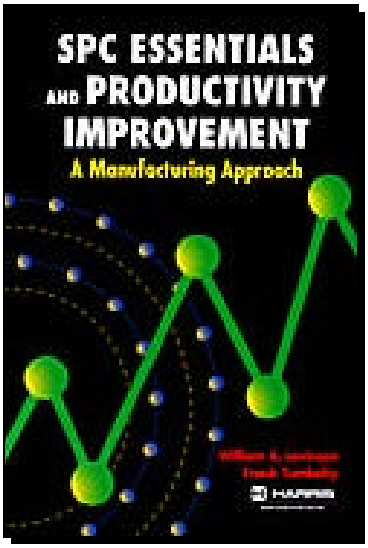
Title	Location	Edition / Series / Misc.
1581 **SPC Essentials and Productivity Improvement**		*Edition:*
Author:	*Dynix:*	*Series:*
Publish.: ASQC	*Call No.:*	
- place:	*ISBN:* 0873893727	
- date: 1997	*Shelf*	*Year:* 1997
Subject: Quality Assurance		*Price:* $45.00
Desc: 266 pages, hardbound.		



Subjects

632 .	Quality Assurance

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Reviews - Synopsis - Dust Jacket

Basic math is all that is required to understand this straightforward text. The book discusses control charts for tracki multiple attributes, a topic not found in other elementary books on SPC. Also, nonmathematical quality tools are included. Contains seven appendices and a glossary.

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SPC: Statistical Process Control in Injection Molding and Extrusion

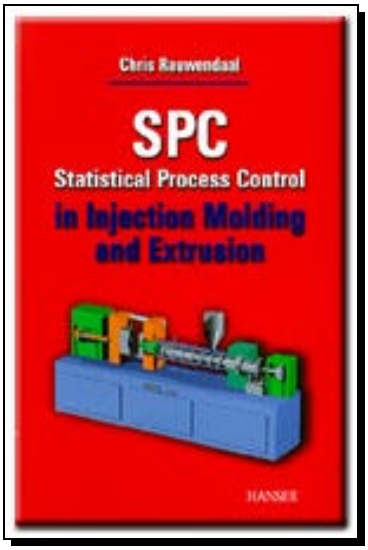
Title	Location	Edition / Series / Misc.

1292 **SPC: Statistical Process Control in Injection Molding and Extrusion**

Author: Chris Rauwendaal
Publish.: Hanser Gardner
- place:
- date: 2000
Subject: QA/QC, Statistics, and Testing - Experimental Design and Analysis
Desc: 248 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569902852
Shelf

Edition:
Series:
Year: 2000
Price: $73.50



Subjects

598 .	Extrusion
607 .	QA/QC, Statistics, and Testing
627 .	Experimental Design and Analysis

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Injection Molding Technology
Extrusion Technology
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Introduction to Statistical Process Control
Data Collection, Data Analysis, and Problem Solving
Measurement
Control Charts
Process Capability and Special SPC Techniques for Molding and ExtrusionOther Tools to Improve Process Control
Appendices

Reviews - Synopsis - Dust Jacket

The use of SPC continues to grow in both acceptance and prevalence in many varied manufacturing fields. The intention of this book is to teach SPC and its application to injection molding and extrusion processes in an integrated fashion. Many SPC training programs are taught by people that are very familiar with statistics but know little about process technology. However, successful implementation of SPC techniques requires an understanding not only of SPC, but of process know-how as well.SPC: Statistical Process Control in Injection Molding and Extrusion also basic injection molding and extrusion process technology. While it is firmly anchored in sophisticated technology and formal statistics, it remains thoroughly practical and readable.From the Preface: "...One important SPC topic that was added to this book is the concept method of precontrol. This method is an alternative to the classical SPC method developed by Shewhart. Another important addition is a discussion on the Shainen methodology to design of experiments and statistical analysis..."Target Audience: All quality personnel, process and manufacturing engineers, industrial technologists, and any other reader interested in SPC and or/injection molding or extrusion.

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Title	Location	Edition / Series / Misc.

1361 **SPE Guide on Extrusion Technology and Troubleshooting**

Author: John Vlachopoulos and John R. Wagner, Jr., eds.
Publish.: SPE
- place:
- date: 2002
Subject: Extrusion - Converting Technology - Plastic Films -
Desc: 456 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 2002
Price: $138.50

Subjects

301 .	Plastic films
598 .	Extrusion
620 .	Converting Technology

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Extrusion Control
Auxiliary Systems
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Performance Characterization
Computer Aided Analysis and Design
Extrusion Compounding
Pipe and Tubing Extrusion
Blown Film Extrusion
Cast Film and Sheet Extrusion
Extrusion Coating
Wire and Cable Processes
Monofilment Extrusion
Profile Extrusion
Coextrusion
Reactive Extrusion
Scrap Reclaim in the Extrusion Process
Good Extrusion Practices
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Reviews - Synopsis - Dust Jacket

This, the first in a planned series of SPE Technical Division publications, provides the most comprehensive technical treatment of the extrusion process and troubleshooting in a single source to date. It focuses on underlying factors and concepts which can be used to fully understand and troubleshoot a wide range of extrusion operations. The outstanding organization and in-depth presentation reflect the extensive backgrounds of the authors, whose technical excellence is ably conveyed in chapters dealing with topics such as compounding, blown film extrusion, CAD in extrusion, extrusion coating, single- and twin-screw extruders, wire and cable production, and much more.From the Preface: "...One of the special aspects of this book is the troubleshooting guides that are at the end of each chapter. These guides provide insights into common problems, with both short-term and long-term suggestions on how to correct them. There are also six appendices that provide a glossary of relevant terms, conversion factors for important units, pertinent equations with worked-out examples, useful websites, a summary of typical resin properties, and author biographies."Target Audience: Operators, engineers, management, quality and maintenance personnel, and students concerned with the extrusion of plastics.

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Specimen Handling, Preparation, and Treatments in Surface Characterization

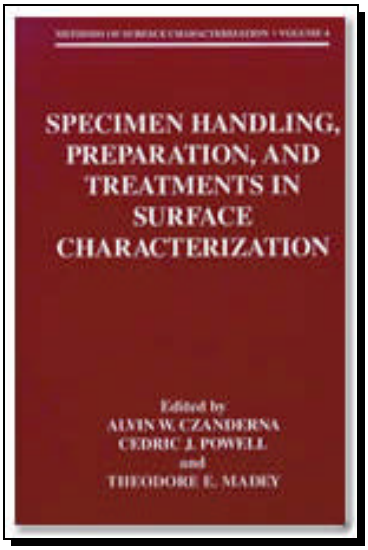
Title	Location	Edition / Series / Misc.

1268 **Specimen Handling, Preparation, and Treatments in Surface Characterization**

Author:
Publish.: Plenum Press
- place:
- date: 1998
Subject: Surface Characterization and Analysis - Experimental Design and
Desc: 320 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 30645887
Shelf

Edition:
Series:
Year: 1998
Price: $146.50



Subjects

608 .	Surface Characterization and Analysis
609 .	Materials Science
627 .	Experimental Design and Analysis

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Specimen Handling: Cleaning and Processing
Atomically Clean Surfaces of Elemental Solids
Specimen Treatments: Surface Preparation of Metal Compound Materials (Mainly Oxides)
In Situ Processing by Gas or Alkali Metal Dosing and by Cleavage
Chemical Modification of Surfaces
Physical and Chemical Methods for Thin-Film Deposition and Epitaxial Growth

Reviews - Synopsis - Dust Jacket

This tutorial addresses important issues in surface preparation and cleanliness. Topics covered range from the discussion of vacuum to discussion of biological, organic, elemental or compound samples, to samples prepared ex situ or in situ to the vacuum, to deposition of thin films. Generic considerations of sample preparation are also given.From the Preface: "...A major part of any surfac analysis or other
surface characterization involves using various useful methods for specimen handling, preparation, and treatments that are rarely discussed in detail in the literature; the purpose of this book is to present a discussion of these methods. Characterization of the resulting surface is usually necessary for assessing the effectiveness of the specimen handling or process..."Target Audience: Scientists, technologists, students, and lecturers involved in surface science, electronic materials and processes, thin film deposition, surface compositional analysis and related topical areas such as corrosion, oxidation, reduction, absorption, desorption, adhesion, epitaxial growth, and contamination.

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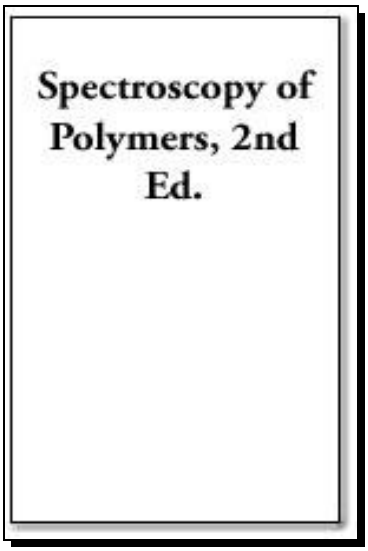
Title	Location	Edition / Series / Misc.

1276 **Spectroscopy of Polymers, 2nd Ed.**

Author: Jack L. Koenig
Publish.: Elsevier
- place:
- date: 1999
Subject: Polymer Characterization - Polymer Science - Polymer Surface
Desc: 506 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 444100318
Shelf

Edition:
Series:
Year: 1999
Price: $121.50



Subjects

601 .	Polymer Surface Chemistry
610 .	Polymer Science
613 .	Polymer Characterization

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Raman Spectroscopy of Polymers
High Resolution NMR Spectroscopy of Polymers in Solution
Applications of High Resolution Solution NMR
High-Resolution NMR Spectroscopy of Solid Polymers
Applications of High-Resolution Solid-State NMR Spectroscopy to Polymers
Mass Spectrometry of Polymers
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Reviews - Synopsis - Dust Jacket

This thoroughly updated edition of the best-selling reference/text highlights the experimental applications of spectroscopic methods, while also providing a discussion of the advantages and disadvantages of the various techniques for particular polymer systems.Containing new and updated information on techniques in IR and NMR, as well as an all-new chapter on mass spectrometry, the Spectroscopy of Polymers scientists who seek a thorough and practical introduction to the field of polymer spectroscopy. Its goal is not to make the reader an expert in the field, but rather to provide enough information about the different spectroscopic methods that the reader can determine how the available techniques can be used to solve a particular polymer problem.From the Preface: "...The challenges of characterizing molecular structure of synthetic polymers continue to grow as the polymer chemists for a broad range of new materials applications are synthesizing exciting new structures...Advances in Raman instrumentation have been dramatic and the polymer spectroscopists must now seriously consider the use of Raman as complementary to infrared...The higher applied magnetic field [in modern solution NMR] results in greater dispersion so the resolution is higher and the information content is extended as longer stereo and comonomer sequences are observed..."Target Audience: Students, graduate students and polymer scientists, spectroscopists, analytical chemists, and chemical engineers.

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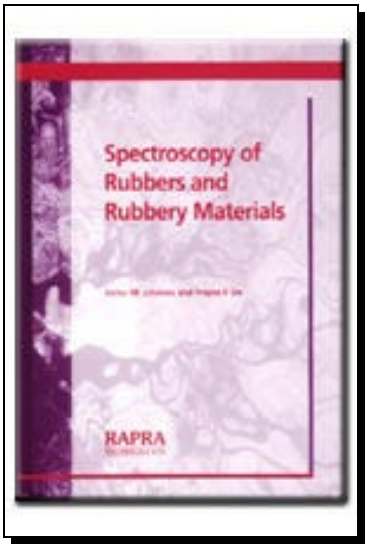
Spectroscopy of Rubbers and Rubbery Materials

Title	Location	Edition / Series / Misc.
1447 **Spectroscopy of Rubbers and Rubbery Materials**		*Edition:*
Author: Victor M. Litvinov and Prajna P. De, eds.	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 1859572804	
- date: 2002	*Shelf*	*Year:* 2002
Subject: Materials Science - Polymer Characterization		*Price:* $243.50
Desc: 650 p, 7.2 x 9.8 Hardcover		



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609 .	Materials Science
613 .	Polymer Characterization

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Infrared Spectroscopy of Rubbery Materials
Crosslinking of EPDM and Polydiene Rubbers Studied by Optical Spectroscopy
NMR Imaging of Elastomers
NMR in Soft Polymeric Matter: Nanometer Scale Probe
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Swollen Rubbery Materials: Chemistry and Physical Properties Studied by NMR Techniques
Multidimensional NMR Techniques for the Characterisation of Viscoelastic Materials
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Reviews - Synopsis - Dust Jacket

This book discusses a wide range of spectroscopic techniques used to characterize chemical and physical structures in viscoelastic materials such as unvulcanized elastomers and their vulcanisates, various rubbery materials, and some plastics which, when blended with particular additives, behave like rubbers. Analysis of rubbery materials is complicated by the fact that they contain significant amounts of fillers, vulcanizing agents, antioxidants, plasticizers, and the like. Due to the complex composition, no single technique can provide a full understanding of the effect of chemical and physical structure on the functional properties of rubbery materials. Thus, spectroscopy has become a powerful analytical tool.With in-depth coverage of nuclear magnetic resonance (NMR) and optical spectroscopy,
together the various spectroscopic techniques for obtaining the following information: chemical structure of rubbery materials, network structure analysis, heterogeneity of rubbery materials, physical properties of rubbery materials, functional properties and stability of rubbery materials, processing of rubbery materials, and quality control.From the Preface: "...The common feature of all [rub and rubbery]
materials is a low glass transition temperature and a molecular network which is formed due to chemical and/or physical junctions between long chain molecules. Depending on the applied force this network, neither liquid nor solid, reveals both solid-like and liquid-like properties. This dual behavior determines the application areas of these materials..."Target Audience: Chemists, physicists, materia scientists and
technologists who seek a better understanding of rubbery materials.

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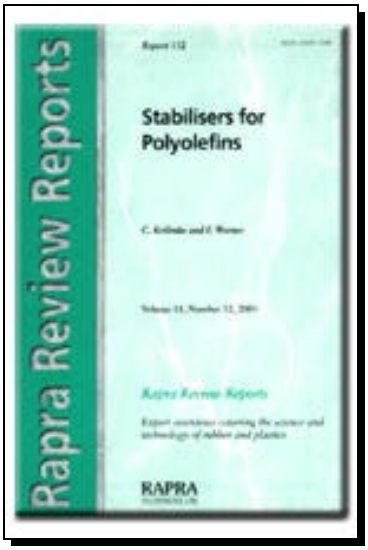
Stabilisers for Polyolefins (Rapra Review Report 132)

Title	Location	Edition / Series / Misc.
1321 **Stabilisers for Polyolefins (Rapra Review Report 132)**		*Edition:*
Author: C. Krohnke and F. Werner	*Dynix:*	*Series:*
Publish.: Rapra	*Call No.:*	
- place:	*ISBN:* 1859572855	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Additives - Plastics Processing Technology - Wear, Weathering, and		*Price:* $123.50
Desc: 136 p, 8.3 x 11.5 Paperback		



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611 .	Additives
614 .	Wear, Weathering, and Tribology
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

The polymer industry faces a never-ending challenge to improve the stability and lifetime of polymer products. Demanding requirements can only be reached by employing small amounts of appropriate stabilizers, which serve to maintain or even improve the initial properties of polymeric materials.Stabilisers for Polyolefins stabilizers, with the primary focus on those categories most useful for polyolefins. It also elucidates some of the physical and chemical aspects of such products when incorporated in the polymer matrix, discussing stability during weathering, heat aging, and processing. Examples of the stabilization of a variety of different articles are presented to reinforce the concepts discussed.Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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Starch and Starch Products in Surface Sizing and Paper Coating

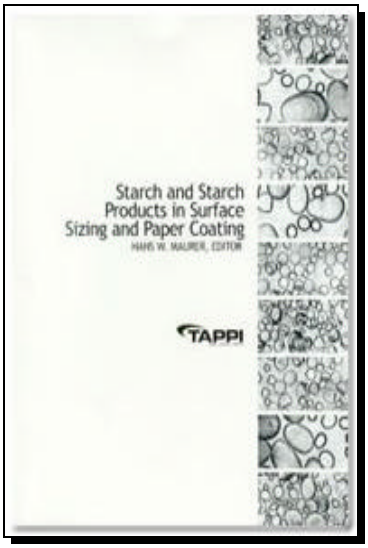
Title	Location	Edition / Series / Misc.

1351 **Starch and Starch Products in Surface Sizing and Paper Coating**

Author: Hans W. Maurer, ed.
Publish.: TAPPI Press
- place:
- date: 2001
Subject: Paper and Paperboard - Coating Processes - Colloids and Emulsion
Desc: 182 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1930657560
Shelf

Edition:
Series:
Year: 2001
Price: $121.50



Subjects

235 .	Coating processes
615 .	Paper and Paperboard
621 .	Colloids and Emulsions

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Surface Sizing of Paper
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Improving Water Resistance of Starch Coatings
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Reviews - Synopsis - Dust Jacket

This monograph discusses the properties and uses of starches, specifically the application of starch and starch products for surface sizing and coating of paper and paperboard. It is a completely revised and updated edition of
published in 1990. It offers a comprehensive look at the subject, including new chapters on surface sizing, size press coating, principles of the coating process, and the treatment of starch in effluent from the paper mill.From the Preface: "...There have been many changes in the paper industry and its use of starch since the last edition of this monograph in 1990. Increased rates of paper production, new paper grades, higher quality demands, changes in printing methods, and the introduction of new surface sizing, coating, and finishing techniques have made it necessary to publish an upgraded and expanded new edition...It is my sincere hope that this monograph will serve the paper industry well as a source of information and a guide to further advancement in the use of starch and its many products for the cost effective production of superior grades of paper and paperboard."Target Audience: Operating personnel in the paper and paperboard industry, as well as researchers concerned with starch and starch products intended for use in surface sizing and coating of paper.

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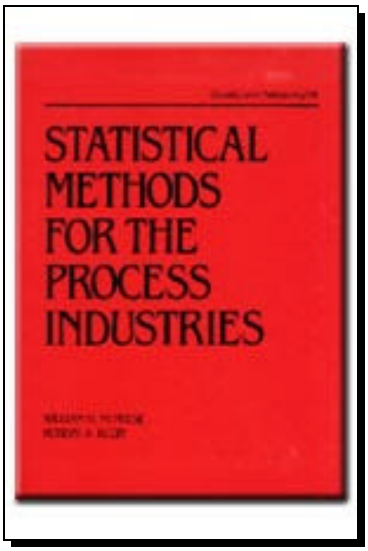
Title	Location	Edition / Series / Misc.

1024 **Statistical Methods for the Process Industries**

Author: William H. McNeese and Robert A. Klein
Publish.: Marcel Dekker
- place:
- date: 1991
Subject: QA/QC. Statistics. and Testing - Converting Technology - Textiles a
Desc: 528 p. 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 82478524
Shelf

Edition:
Series:
Year: 1991
Price: $78.50



Subjects

607 .	QA/QC, Statistics, and Testing
620 .	Converting Technology
631 .	Textiles and Nonwovens

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Reviews - Synopsis - Dust Jacket

This easy to use manual provides specific applications of statistical improvement methods appropriate for the process industries. It includes an overview of TQM with a representative implementation strategy, plus discussions of numerous statistical techniques, process capability studies, and more.
requires no advanced mathematics or statistics training; its chapters are self-contained, making them useful for individual or collective study. It introduces both simple and advanced statistical techniques, and includes discussions of a variety of special topics.From the Preface: “[This book] can be used in three ways. First, it is a basic text to teach the fundamental quantitative tools of process improvement. Second, it can be used in a seminar format to build a five- to ten-day short course in process improvement. Finally, it is a good reference...The major methods used in TQM include top management leadership, statistical methods, organized problem solving, and team

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involvement. This book emphasizes the statistical methods and organized problem solving..."Target Audience: Engineers, quality practitioners, manufacturing technologists, and students interested in quality and productivity improvement in the process industries.

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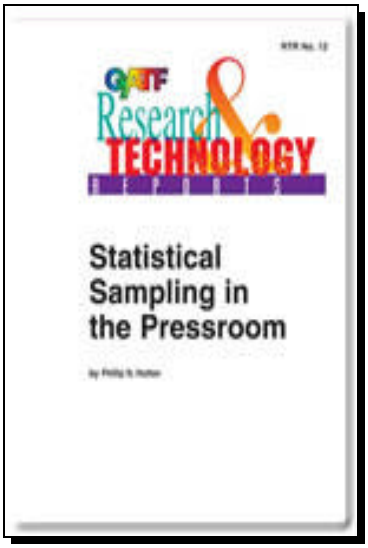
Title	Location	Edition / Series / Misc.

1198 **Statistical Sampling in the Pressroom: GATF Research & Technology Report 12**

Author: Phillip N. Hutton
Publish.: GATF
- place:
- date: 1999
Subject: QA/QC, Statistics, and Testing - Printing Technology
Desc: 20 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1999
Price: $28.50



Subjects

607 .	QA/QC, Statistics, and Testing
624 .	Printing Technology

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Step-by-Step Procedures
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Reviews - Synopsis - Dust Jacket

This extremely brief guide contains a surprisingly large amount of information on statistical sampling, confidence level, and basic statistical methods. It includes step-by-step procedures for computing means, sampling error, and optimum sampling sizes for known and unknown standard deviations.From the Abstract: "...This report thoroughly outlines statistical sampling theory and the proper calculations for determining the print attributes of a pressrun. Although this report focuses on the sampling procedures and calculations used to determine the average solid ink density, these same procedures and calculations can be used to determine any other print attribute. This report...is written primarily for the nonstatistician and requires only a basic knowledge of the meaning and calculation of averages, standard deviations, and histograms..."Target Audience: Inspection, process, and producti personnel concerned with measurement and control of print operations.

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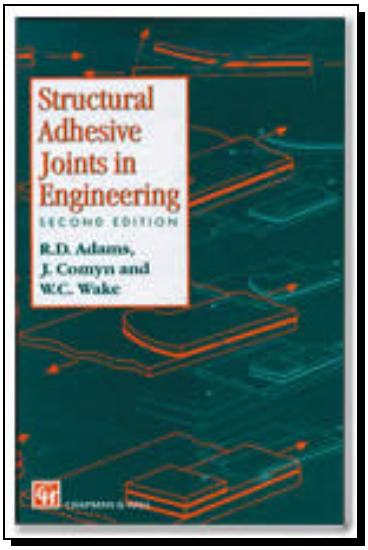
Title	Location	Edition / Series / Misc.

1266 **Structural Adhesive Joints in Engineering, 2nd Ed.**

Author: R.D. Adams, J. Comyn, and W.C. Wake
Publish.: Chapman & Hall
- place:
- date: 1997
Subject: Adhesives and Adhesion - Materials Science - Polymer Surface
Desc: 370 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 412709201
Shelf

Edition:
Series:
Year: 1997
Price: $188.50



Subjects

602 .	Polymer Surface Modification
606 .	Adhesives and Adhesion
609 .	Materials Science

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Reviews - Synopsis - Dust Jacket

The use of adhesives has many advantages over other methods of fastening. Presenting a smooth exterior, spreading of the load and ease of joining thin or dissimilar materials are all reasons why the use of adhesives for bonding structures in steadily growing and finding new applications.The is a concise guide to adhesive joints within structures. It covers all aspects of design, materials selection, and testing, including the physical properties and cure chemistry of structural adhesives and how to select adhesives for particular applications. Surface preparation, surface analysis, an analysis of stresses within structural joints, and water durability are also considered in detail.From the Preface: “The intention of this book is that it should contain everything an engineer needs to know to be able to design and produce adhesively bonded joints which are required to carry significant loads. The advantages and disadvantages are given, together with a sufficient understanding of the necessary mechanics and chemistry to enable the designer to make a sound engineering judgement in any particular case...”Target Audience: Designers, engineers a technicians concerned with adhesive bonding; formulators of adhesives used in structural applications; consultants, lecturers, and students.

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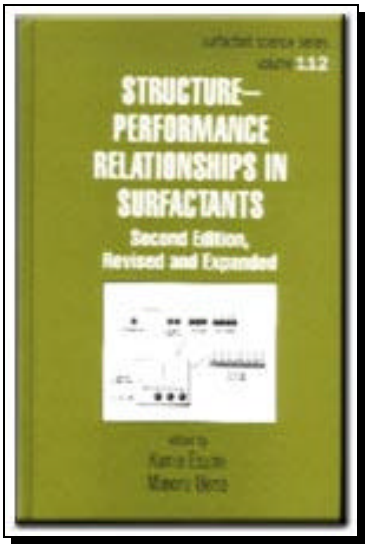
Title	Location	Edition / Series / Misc.

1501 **Structure - Performance Relationships in Surfactants, 2nd Ed.**

Author: Kunio Esumi and Minoru Ueno, eds.
Publish.: Marcel Dekker
- place:
- date: 2003
Subject: Solubility and Surfactants - Recommend this Site
Desc: 810 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824740440
Shelf

Edition:
Series:
Year: 2003
Price: $171.50



Subjects

605 .	Solubility and Surfactants
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This volume has been revised and expanded to reflect intensifying interest in surfactant research and to incorporate the most recent innovations in the field.
Surfactants, 2nd Ed.
vesicle-forming surfactants at the air—water interface; fluorinated surfactants with two hydrophobic chains; surface-active properties of telomer-type surfactants with several hydrocarbon chains; the association behavior of amphiphilic dendritic polymers; polymer and surfactant systems; the arrangement of adsorbed surfactants on solid surfaces by AFM observation; and much more. Includes seven entirely new chapters and extensive revisions of the balance of the material.From the Preface: “Surfactant molecules can self-assemble in wa oil, and in oil—water or solid—liquid mixtures to give a large variety of colloidal structures. Structure—performance relationships in surfactants are of great importance in nearly all fundamental studies and practical applications of surfactants...Research on new surfactants has been intense in recent years. Now, greatly expanded interest and additional important work in this field have led us to update the book to reflect current trends...”Target Audience: Physical, surface, and colloid chemists; chemical engineers; and upper-level students in these disciplines.

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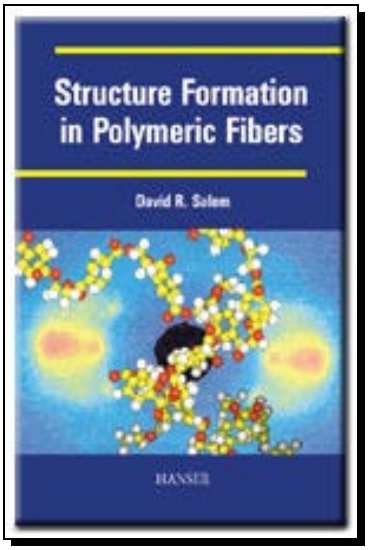
Title	Location	Edition / Series / Misc.

1313 **Structure Formation in Polymeric Fibers**

Author: David R. Salem, ed.
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: Composites, Laminates, and Fibers - Materials Science - Plastics
Desc: 596 p, 6.4 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 1569903069
Shelf

Edition:
Series:
Year: 2001
Price: $135.00



Subjects

609 .	Materials Science
625 .	Composites, Laminates, and Fibers
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Fibers From Liquid Crystalline Polymers
Solvent Spun Cellulosic Fibers
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Fibers From Electrically Conductive Polymers
Fibers From Polymer Blends and Copolymers
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Reviews - Synopsis - Dust Jacket

This book offers a comprehensive and critical review of the science of fiber formation. It focuses on the evolution of microstructure (on the scale of nanometers to micrometers) in relation to forming conditions and molecular properties. It also surveys the connection between fiber structure and macroscopic polymer deformation, orientation, and structure formation.Structure Formation in Polymeric Fibers the field in depth, emphasizing fundamental principles and recent advances. Although each chapter is self-contained and can be read independently, they have been arranged in an order that gives a sense of direction to the reader.From the Preface: "...It will be clear from this book that there has been intense and highly productive research activity on the physics of fiber formation and polymer orientation over the last forty years, in both industrial and academic laboratories, and that there remains enormous potential for further advances..."Target Audience: All scientists, engineers, and technologists involved in the research and practice of fiber formation (as well as other polymer deformation processes), and to upper-level undergraduate and graduate students of polymer physics, polymer engineering, materials science and engineering, fiber science, and chemical engineering.

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Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, and Applications

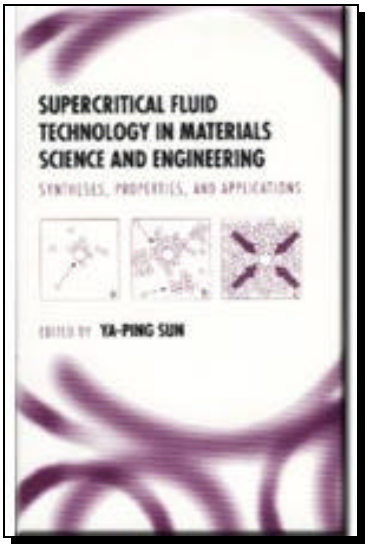
Title	Location	Edition / Series / Misc.

1143 **Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, a**

Author: Ya-Ping Sun, ed.
Publish.: Marcel Dekker
- place:
- date: 2002
Subject: Materials Science - Polymer Science - Solubility and Surfactants
Desc: 592 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 82470651
Shelf

Edition:
Series:
Year: 2002
Price: $168.50



Subjects

605 .	Solubility and Surfactants
609 .	Materials Science
610 .	Polymer Science

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Hydrothermal Synthesis of Metal Oxide Nanoparticles Under Supercritical Conditions
Production of Magnetic Nanoparticles Using Supercritical Fluids
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Understanding the RESS Process
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Reviews - Synopsis - Dust Jacket

This reference analyzes the chemical reactions, structures, and fundamental properties of supercritical fluid systems for the production of new compounds, nanomaterials, fibers, and films. It compiles the latest research and technological advances, offering the reader increased selectivity and reduced waste in chemical, industrial, pharmaceutical, and biomedical applications.Supercritical Fluid Technology in Materials Science and Engineering
supercritical solutions (RESS) for the synthesis of inorganic, polymeric, organic, pharmaceutical, and multicomponent particles; presents practical examples that demonstrate the impact of polymer architecture and solvent quality on solubility; discusses the utilization of supercritical fluids and mixtures as solvent systems for materials processing and for the preparation of polymer fibers and films; and more.From the Preface: "...Recently, significant progress has been ma the use of supercritical fluids and mixtures as reaction media for chemical syntheses and polymer preparations and as alternative solvent systems for materials processing. In fact, materials-related applications have emerged as a new frontier in the development of supercritical fluid technology. I hope that this book will be a timely contribution to this emerging research field by serving at least two purposes. One is to provide interested readers with a rich source of information on the current status of supercritical fluid technology as related to materials research. The second is to stimulate more interest within the multidisciplinary supercritical fluid research community for the further development of the technology in materials-related applications."Target Audience: Inorganic chemists; materials scientists; materials,
plastics, polymer, chemical, industrial, and manufacturing engineers; physicists; and upper-level students in these disciplines.

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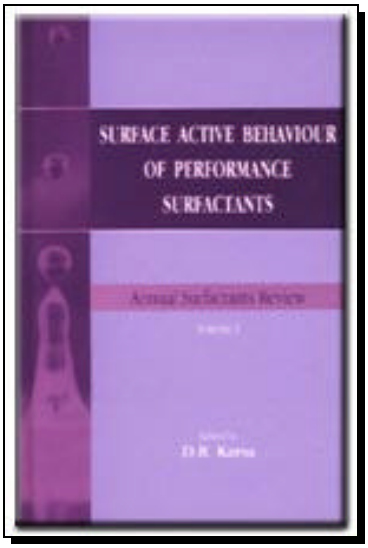
Title	Location	Edition / Series / Misc.

1461 **Surface Active Behaviour of Performance Surfactants**

Author: David R. Karsa, ed.
Publish.: Sheffield Academic
- place:
- date: 2000
Subject: Solubility and Surfactants - Recommend this Site
Desc: 218 p, 6 x 9.1 Hardcover

Dynix:
Call No.:
ISBN: 849305055
Shelf

Edition:
Series:
Year: 2000
Price: $126.50



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715 .	Recommend this Site

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Interfacial Properties of Natural Surfactants and their Application in Drug Delivery Systems
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Reviews - Synopsis - Dust Jacket

This text focuses on the diversity of surfactants, both in terms of chemical structure and physico-chemical/surface active properties. These properties may be predictable for simple molecules, but for most commercial surfactants (which may be regarded as multi-component blends) the task becomes far more difficult.
Performance Surfactants
multi-component mixtures, enabling the reader to select the most appropriate product for each application. The book explores applications including natural surfactants for drug delivery systems, surfactants used in construction, inverse emulsions, plastics flotation, and dynamic wetting.From the Preface: "...Many applications of surfactants feature formulations which incorporate polymeric materials. Typically these are water-soluble polymers of various chemical types, used primarily for their rheological properties. The topic of surfactant—polymer interactions is receiving considerable attention at present and so a chapter has been included on this area..."Target Audience: Chemists, researchers, and students concerned with the production, formulation, and application of surface active agents.

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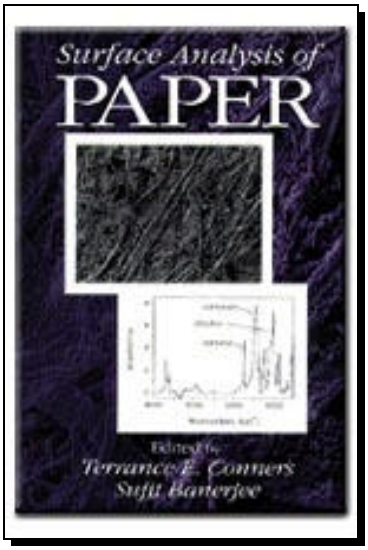
Title	Location	Edition / Series / Misc.

1030 **Surface Analysis of Paper**

Author: Terrance E. Conners and Sujit Banerjee, eds.
Publish.: CRC Press
- place:
- date: 1995
Subject: Paper and Paperboard - Printing Technology - Surface
Desc: 368 p, 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 849389925
Shelf

Edition:
Series:
Year: 1995
Price: $175.00



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608 .	Surface Characterization and Analysis
615 .	Paper and Paperboard
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SIMS: Secondary Ion Mass Spectrometry
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Reviews - Synopsis - Dust Jacket

This book examines surface analysis techniques from a paper industry point of view; it places heavy emphasis on applications of various methods of characterization and analysis. Modern techniques, including ion mass spectrometry, infrared spectroscopy, and optical profilometry are reviewed in a straightforward manner.Surface Analysis of Paper methods and instruments, and discusses how they can be used to attain, for example, contour maps of the microscopic constituents on paper surfaces and accurate analyses of the physical properties of paper. Several chapters discuss analytical techniques useful for pulp and paper characterization which have not previously been adequately explored in the literature.From the Preface: “Paper owes much of its versatility to its surface characteristics, as these can be tailored to a variety of applications. Characterizing and controlling these properties is central to product development and control, and the outgrowth of new analytical techniques in chemistry and microscopy provides us with a rich array of sophisticated tools. Our intent in compiling this book is to provide the collective experience of people who use many of these tools in the paper industry...” Target Audience: Technical workers in the paper industry, including biologists, chemical engineers, and chemists; materials scientists; and reference libraries in academic or industrial settings.

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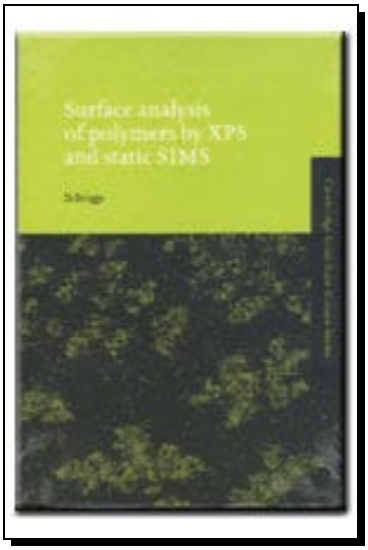
Surface Analysis of Polymers by XPS and Static SIMS

Title	Location	Edition / Series / Misc.
1190 **Surface Analysis of Polymers by XPS and Static SIMS**		*Edition:*
Author: David Briggs	*Dynix:*	*Series:*
Publish.: Cambridge University Press	*Call No.:*	
- place:	*ISBN:* 521352223	
- date: 1998	*Shelf*	*Year:* 1998
Subject: Surface Characterization and Analysis - Polymer Characterization -		*Price:* $63.50
Desc: 212 p, 6.8 x 9.8 Hardcover		



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601 .	Polymer Surface Chemistry
608 .	Surface Characterization and Analysis
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

This book provides an in-depth treatment of the instrumentation, physical bases, and applications of X-ray photoelectron spectroscopy (XPS) and static secondary ion mass spectroscopy (SSIMS) with a specific focus on the subject of polymeric materials. XPS and SSIMS are widely accepted as the two most powerful techniques for polymer surface chemical analysis, particularly in the context of industrial research and problem solving.Surface Analysis of Polymers by XPS and Sta SIMS the techniques of XPS and SSIMS, with explanations of what types of information can be derived from each method. It includes case studies which demonstrate the complementary and joint application of XPS and SSIMS in the investigation of polymer surface structure and its relationship to material properties.From the Preface: "...The behaviour of polymer surfaces is important in many technologies and understanding this behaviour requires surface charaterisation with a high degree of chemical specificity, in terms of composition and structure, for species covering a wide range of molecular weight. The application of X-ray photoelectron spectroscopy (XPS or ESCA) and, later, static secondary ion mass spectroscopy (SSIMS), in the early stages of the development of the techniques, to polymer surface analysis surely count as major successes. The requirements for polymer surface analysis have continued to be important drivers in the evolution of instrumental capabilities, because of the importance of this materials sector..."Target Audience: Academic and industrial researchers interested in polymer surfaces and surface analysis.

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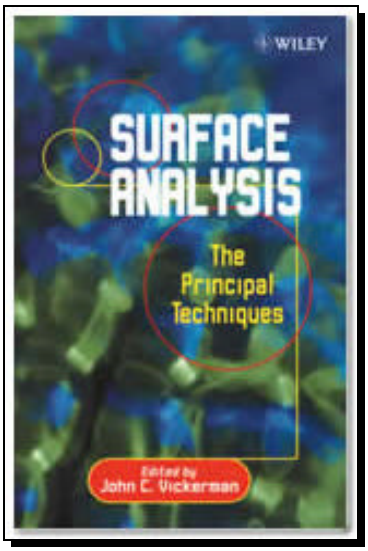
Title	Location	Edition / Series / Misc.

1070 **Surface Analysis: The Principle Techniques**

Author: John C. Vickerman, ed.
Publish.: John Wiley & Sons
- place:
- date: 1997
Subject: Surface Characterization and Analysis - Polymer Characterization -
Desc: 473 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 471972924
Shelf

Edition:
Series:
Year: 1997
Price: $56.50



Subjects

602 .	Polymer Surface Modification
608 .	Surface Characterization and Analysis
613 .	Polymer Characterization

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Vacuum Testing for Applied Surface Science
Electron Spectroscopy for Chemical Analysis
Auger Electron Spectroscopy
Secondary Ion Mass Spectrometry — the Surface Mass Spectrometry
Low-energy Ion Scattering and Rutherford Backscattering
Vibrational Spectroscopy from Surfaces
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Scanning Tunnelling Microscopy and Atomic Force Microscopy
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Reviews - Synopsis - Dust Jacket

In today's world there are vast areas of materials technology which stand to benefit from the application of surface analysis techniques in both research and quality control.
Techniques
techniques which have shown themselves to be effective in both basic research and in applied surface analysis.The book brings the reader to a level of knowledge at which it is possible to understand data generated by each technique and see how it relates to the type of problems they wish to tackle. The coverage is thorough without being too detailed. Examples of analysis are provided in each case, and review questions at the close of most chapters help the reader to reinforce what has been learned.From the Preface: "...Most surface problems, be they in basic surface science or applied surface analysis, require careful selection of the most appropriate technique to answer the questions posed. Frequently more than one technique will be required. It is anticipated that the reader of this book will be equipped to make the judgements required. Thus the book should be of value to those who need to have a wide overview of the techniques in education or in industrial quality control or R & D laboratories. For those who wish to further develop their knowledge and practice of particular techniques, it should also give a good basic understanding from which to build."Target Audience: Industrial analytical scientists, techologists, and materials analysts; and upper-level undergraduate and graduate students in materials and surface science.

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Surface and Colloid Science (Progress in Colloid and Polymer Science, Vol. 116)

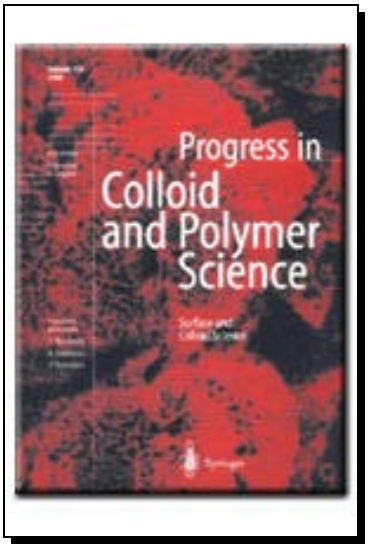
Title	Location	Edition / Series / Misc.

1430 **Surface and Colloid Science (Progress in Colloid and Polymer Science, Vol. 116)**

Author: T. Razamus, B. Lindman, and T. Nylander, eds.
Publish.: Springer
- place:
- date: 2001
Subject: Colloids and Emulsions - Recommend this Site
Desc: 166 p, 8.2 x 10.8 Hardcover

Dynix:
Call No.:
ISBN: 354067814
Shelf

Edition:
Series:
Year: 2001
Price: $135.00



Subjects

621 .	Colloids and Emulsions
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This volume consists of 24 papers originally presented at the First Nordic—Baltic Meeting on Surface and Colloid Science, which was held August 1999 in Vilnius, Lithuania as a continuation of the traditional Scandinavian Symposium on Surface Chemistry. An international mix of scientists addressed a broad range of topics, including adhesion, adsorption processes, characterization of solid/liquid and solid/polymer interfaces, chemical and particle depositions, colloid stability, emulsification and encapsulation, interfacial reactions, polymer—surfactant interactions, self-assembly processes, functionalized surfaces for bio- and chemo-sensors, and more.From the Preface: “The Scandinavian Symposium on Surface Chemistry has been a regular event since 1963, when the first meeting was organized in Abo (Turku), Finland by Professor Per Ekvall...The last years have seen an increasing number of scientific contacts between the Scandinavian and Baltic countries (Estonia, Latvia and Lithuania). Most of the collaborations have so far been based on personal contacts that have shown that many scientists in the Baltic countries have a strong interest in surface and colloid chemistry. The time has come to link them more formally to our Scandinavian surface and colloid chemical community...”Target Audience: Scientists, technologists researchers in academia or industry who are concerned with surface and colloid chemistry.Brief Table of Contents:Self-Assembly of Lipids, Macromolecules and Surfactants
Disperse Systems
Interfacial Processes
Biosensor Applications
Index

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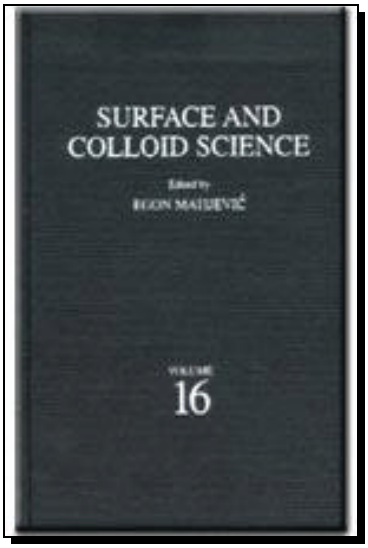
Title	Location	Edition / Series / Misc.

1362 **Surface and Colloid Science, Vol. 16**

Author: Egon Matijevic, ed.
Publish.: Plenum Press
- place:
- date: 2001
Subject: Colloids and Emulsions - Interfacial Engineering and Surface Scienc
Desc: 422 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 30646456
Shelf

Edition:
Series:
Year: 2001
Price: $121.50



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

This volume consists of three sections. The first presents an explanation of the functionality of cetyl alcohol; it is a most comprehensive study of this essential ingredient in the cosmetic and pharmaceutical industries. The second is a broad review of acid—base interactions in various materials, including small molecules, proteins, and polyelectrolytes. The third part describes the combined radiochemical and electrochemical methods in the evaluation of the properties of solids in contact with solutions. Each section is separately referenced and contains appropriate appendices.From the Preface: "...As with previous works in this series, Volume 16 contains contributions on three diverse topics of interest to readers in both industry and academia, with extensive literature citations, including the most recent publications on the relevant subjects..."Target Audience: Surface and colloid scientists and technologists in industry and academia.Brief Table of Contents:Physical Chemistry of Cetyl Alcohol: Occurrence and Function of Li Crystals in O/W Creams
Ionization Processes and Proton Binding in Polyprotic Systems: Small Molecules, Proteins, Interfaces, and Polyelectrolytes
Combined Application of Radiochemical and Electrochemical Methods for the Investigation of Solid/Liquid Interfaces
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Surface and Thin Film Analysis: A Compendium of Principles, Instrumentation, and Applications

LASCT Holdings - maximum detail by Title **S**

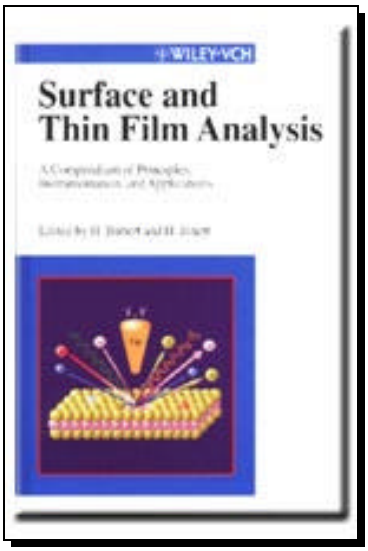
Title	Location	Edition / Series / Misc.

1438 **Surface and Thin Film Analysis: A Compendium of Principles, Instrumentation, and Applicat**

Author: H. Bubert and H. Jenett, eds.
Publish.: Wiley - VCH
- place:
- date: 2002
Subject: Surface Characterization and Analysis - Polymer Characterization -
Desc: 354 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527304584
Shelf

Edition:
Series:
Year: 2002
Price: $113.50



Subjects

607 .	QA/QC, Statistics, and Testing
608 .	Surface Characterization and Analysis
613 .	Polymer Characterization

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Reviews - Synopsis - Dust Jacket

The development and quality of such high-tech materials as semiconductors or biopolymers demand special analytical methods for surfaces and thin films. This book presents the whole spectrum of methods available in a clear manner, moving beyond the basics of equipment and applications to offer a comparison of these methods. This allows the reader to find the optimum solution to any given problem. The chapters on electron, ion, and photon detection comprise the bulk of the book.From the Preface: "...Such surface changes can b made by ion implantation, deposition of thin films or epitaxially grown layers, among others. In all these cases, it is necessary to analyze the surface, the layer or system of layers, the grain boundaries, or other interfaces in order to control the process which finally meets the technological requirements for a purposefully changed surface. A wealth of analytical methods is available to the analyst..."Target Audience: Researchers, analysts, technologists, scientists, and upper-level students who are concerned with surface and thin film analysis.Brief Table of Contents:Introduction
Electron Detection
Ion Detection
Photon Detection
Scanning Probe Microscopy
Summary and Comparison of Techniques
Surface and Thin Film Analytical Equipment Suppliers
References
Index

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Title	Location	Edition / Series / Misc.

1175 **Surface Application of Paper Chemicals**

Author: James Brander and Ian Thorn, eds.
Publish.: Blackie Academic & Professional
- place:
- date: 1997
Subject: Paper and Paperboard - Additives - Coating Processes
Desc: 288 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 751403709
Shelf

Edition:
Series:
Year: 1997
Price: $168.50

Subjects

235 .	Coating processes
611 .	Additives
615 .	Paper and Paperboard

Table of Contents

Introduction
On-Machine Surface Treatment of Paper and Board with the Blade Coater
On-Machine Surface Treatment of Paper and Board with the Film Press
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Starches
Rheology Modifiers and Pigment Dispersants
Pigments for On-Line Surface Treatment
Surface Sizing
Surface Brightening of Paper
On-Machine Surface Coloration
The Surface Treatment of Fine Business Papers
Barrier Dispersion Coating of Paper and Board
Recycling Surface Treated Paper Products
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Reviews - Synopsis - Dust Jacket

This book examines the chemicals used in the surface treatment of paper products, the means used to apply them, and the product characteristics they are intended to enhance. It emphasizes surface treatment on the paper machine, rather than by separate coating operations. Accordingly, Surface Application of Paper Chemicals treatment of metered size press technology. There is extensive investigation of interactions between chemicals (both with each other and with those used in bulk treatment — especially sizing), and a discussion of the impact of surface treatment on recyclability.From the Preface: "...The product design philosophy that has arisen...is increasingly to isolate the bulk of a paper from its uses: to engineer the needed performance characteristics into the paper surfaces while more or less ignoring what happens inside. Thus surface application and treatment has assumed greater and greater importance, and a need for knowledge of the technologies and chemicals used has spread throughout all sectors of the industry..."Target Audience: Paper mill technologists and paper scientists; chemical and equipment suppliers to the paper industry; research staff in academic and technical institutions; and upper-level students.

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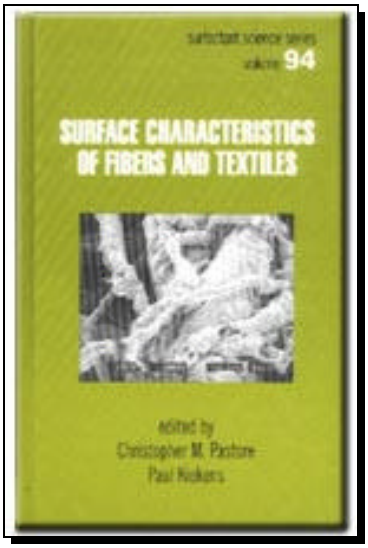
Title	Location	Edition / Series / Misc.
1301 **Surface Characteristics of Fibers and Textiles**		*Edition:*
Author: Christopher M. Pastore and Paul Kiekens, eds.	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824700023	
- date: 2001	*Shelf*	*Year:* 2001
Subject: Composites, Laminates, and Fibers - Interfacial Engineering and		*Price:* $105.00
Desc: 306 p, 6 x 9 Hardcover and Nonwovens		



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis
625 .	Composites, Laminates, and Fibers

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Reviews - Synopsis - Dust Jacket

This reference discusses fibers in a large range of industrial applications, including biomaterials, aerospace, and automotive manufacturing. It emphasizes how fiber surface affects permeability, stiffness, strength, dyeing, wrinkling, and other performance characteristics, showing how these effects relate to production optimization. It illustrates new methods for developing wrinkle-resistant finishes on fiber surfaces using environmentally-friendly techniques. It also presents novel data on the frictional behavior of textiles, the use of ceramic fibers for high temperature applications, and the fiber—resin interface.Surface Characteristics of Fibers and Textiles functionality of fibers within composite materials, discusses the features of infrared adsorption in fabrics, covers the use of fibers as electrochemical sensors in bleaching operations, investigates biomedical functions such as bone plating techniques for mineral-filled polypropylene fibers, and more.From the Preface: "..The topics addressed in the text range from commodity to innovation. The book begins with a discussion of the importance of fiber surface to the traditional textile industty. Following this, novel fibers and their applications are considered. The remainder of the book deals with the ability of fibers to function within composite materials..."Target Audience: Physical, surface, colloid, textile, materials, polymer, plastics, and fiber chemists; industrial, manufacturing, textile, fiber, and composite engineers; and upper-level undergraduate and graduate students in these disciplines.

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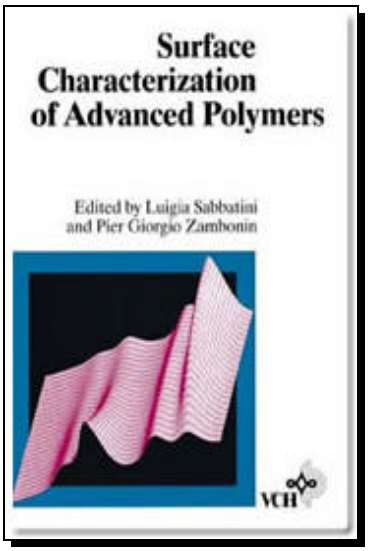
Title	Location	Edition / Series / Misc.

1108 **Surface Characterization of Advanced Polymers**

Author: Luigia Sabbatini and Pier Giorgio Zambonin, eds.
Publish.: Wiley - VCH
- place:
- date: 1993
Subject: Surface Characterization and Analysis - Biopolymers and Medical
Desc: 319 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527285121
Shelf

Edition:
Series:
Year: 1993
Price: $125.00



Subjects

602 .	Polymer Surface Modification
608 .	Surface Characterization and Analysis
622 .	Biopolymers and Medical Applications

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Spectroscopies for Surface Characterization
Electron Induced Vibrational Spectroscopy (HREELS)
The Application of Static Secondary Ion Mass Spectrometry (SIMS) to the Surface Analysis of Polymer Materials
Low Energy Ion Scattering Spectrometry of Polymer Surface Composition and Structure
X-Ray Photoelectron Spectroscopy Analysis of Conducting Polymers
Chemical Derivatization Methods for Enhancing the Analytical Capabilities of X-Ray Photoelectron Spectroscopy and Static Secondary Ion Mass Spectrometry
Data Analysis in X-Ray Photoelectron Spectroscopy
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Reviews - Synopsis - Dust Jacket

This book offers a comprehensive discussion of the surface analysis of various technologically interesting polymers by means of modern electron and ion spectroscopies such as XPS, ToF-SIMS, ISS, and HREELS. Case studies are critically discussed by well-known experts who propose strategies for the unequivocal interpretation of surface spectroscopic findings. Despite being a very specialized volume, it is written at an easily comprehensible level.From the Preface: "...Essential for the proper use of these new [polymeric] materials is a profound knowledge of their bulk and surface characteristics. The latter are of crucial importance in determining fundamental properties of the materials such as adhesion, wettability, biocompatibility, environmental stability, resistance to wear, and chemical and electrochemical catalytic activity..."Target Audience: Anyone involved in surface characterization an chemical analysis, and, more generally, interested in polymer science and advanced materials.

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Title	Location	Edition / Series / Misc.

1238 **Surface Characterization: A User's Sourcebook**

Author:
Publish.: Wiley - VCH
- place:
- date: 1997
Subject: Surface Characterization and Analysis - OA/OC. Statistics. and Test
Desc: 716 p, 6.7 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527288430
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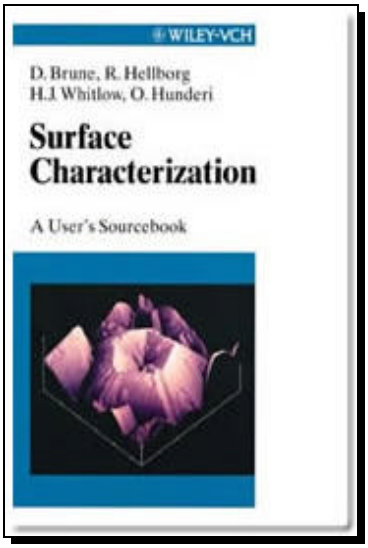
Edition:
Series:
Year: 1997
Price: $251.50



Subjects

607 .	QA/QC, Statistics, and Testing
608 .	Surface Characterization and Analysis

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Reviews - Synopsis - Dust Jacket

This book provides an authoritative guide to the wide range of powerful techniques that can be used to characterize the surfaces of materials. Practical in approach, it not only describes the major analytical techniques but emphasizes how they can be used to solve a multitude of chemical and physical problems. A special feature of the book is that the various techniques are grouped according to the material property under investigation. These sections are preceded by an overview comparing the capabilities of the various characterization methods. Extensive data tables allow the reader to assess rapidly the strengths as well as the pitfalls inherent in each method.From the Preface: “Surface science is interdisciplinary in nature because it enters in some shape or form into every branch of science and technology. This work, which is directed to both academic and industrial audiences...seeks to provide a user-oriented guide for identifying and selecting those techniques best suited to the requirements of a specific analytical problem. This makes the book an invaluable reference guide...”Target Audience: Academic and industria researchers — including physicists, chemists, chemical engineers, and materials scientists — working on the development and production of new materials whose surface properties must be understood.Brief Table of Contents:Introduction
Microstructure and Topography
Elemental Composition
Chemical Bonding and Molecular Composition
Crystallography and Structure
Surface Films
Surface Reactions
Tribology
Life Sciences
Index

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Title	Location	Edition / Series / Misc.

1535 **Surface Chemistry**

Author: Elaine M. McCash
Publish.: Oxford University Press
- place:
- date: 2001
Subject: Interfacial Engineering and Surface Science - Polymer Science -
Desc: 188 p, 6.5 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 198503288
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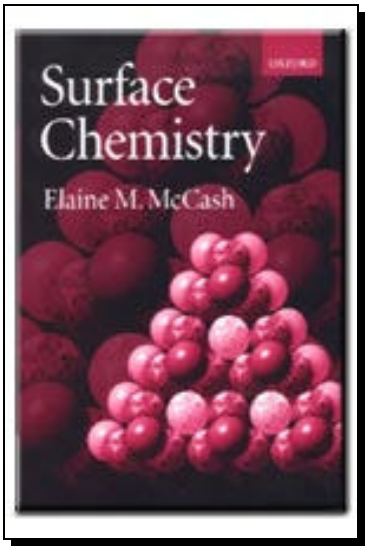
Edition:
Series:
Year: 2001
Price: $31.50



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Reviews - Synopsis - Dust Jacket

This book presents an accessible treatment of the fundamental concepts of surface chemistry. It describes the properties of solid surfaces, at both macroscopic and microscopic levels, and examines how atoms and molecules interact with surfaces, explaining how and why they subsequently behave and react.From the Preface: "...Surface science has come of age; there are now many techniques we can use and, as technologies advance, the theoretical models available continue to be developed to keep pace with them. It should be noted that this book is written for students, not their supervisors, and aims to give a real `feel' for the subject, rather than a detailed, laborious understanding..."Target Audience: Upper-level undergraduates, graduate students, and researchers, technologists, and other professionals in academia or industry who need a general introduction to the field of surface science.

Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis
610 .	Polymer Science

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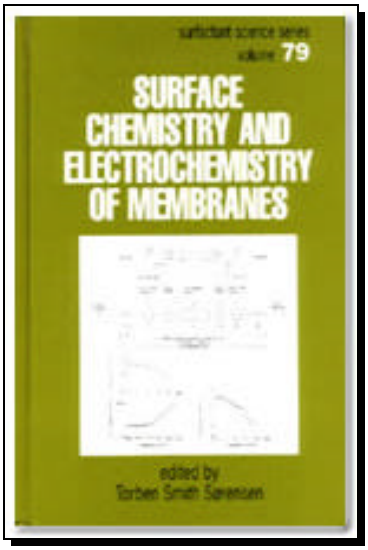
Surface Chemistry and Electrochemistry of Membranes

Title	Location	Edition / Series / Misc.
1226 **Surface Chemistry and Electrochemistry of Membranes**		*Edition:*
Author: Torben Smith Sorensen, ed.	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824719220	
- date: 1999	*Shelf*	*Year:* 1999
Subject: Colloids and Emulsions - Biopolymers and Medical Applications -		*Price:* $188.50
Desc: 1030 p, 6 x 9 Hardcover		



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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A Multidisciplinary Approach Towards Pore Size Distributions of Microporous and Mesoporous Membranes
Surface Functionalization of Polymer Membranes
Formation Process, Analysis and Structure of Silica Polymers, Fractal Aggregates and MembranesTransport Phenomena in Synthetic Membranes — Reverse Osmosis, Ultrafiltration Gas Pervaporation, Diffusion, Osmosis:
Fundamentals of Transport Phenomena in Polymer Solution-Diffusion Membranes
Irreversible Thermodynamic Models for Pervaporation and UltrafiltrationProtein Adsorption on Ultrafiltration Membran Surfaces and Effects on Transport
Diffusion of Dyes in Porous Membranes with Parallel Pore and Surface Diffusion
Osmotic Properties of Polyelectrolyte GelsElectrochemical Transport Processes Through Synthetic Membranes and Membrane Surfaces:
Electrochemical Characterization of Membranes and Membrane Surfaces by EMF Measurements
Transport Numbers of Ions in Charged Membrane Systems
Ion Equilibrium and Transport in Weak Amphoteric Membranes
Water, Ion and Entropy Transport in Ion-Exchange Membranes
Irreversible Thermodynamics of Membrane Surface Transport with Application to Polymer Fuel Cells
Electroosmotic Transport Through Ion-Exchange Membranes
Anion-Exchange Membranes with Viologen Cross-Links Showing Photovoltaic Effects and with Permselective Properties Determined by Photoirradiation
Electroconductive Mechanisms in Concentration Polarization at Electrodialysis MembranesImpedance and Dielectric Dispersion of Synthetic and Biological Membranes and Membrane Surfaces:
Interfacial Electrodynamics of Membranes and Polymer Films
The Characterization of Membranes and Membrane Surfaces Using Impedance Spectroscopy
Impedance of Multilayer Membrane SystemsBiomembranes and Biomembrane Surfaces:
The Role of Water in the Surface Properties of Lipid Bilayers and Its Influence on Permeability
Surface Electrostatics of Biological Membranes and Ion Binding
Ion Transport Across a Membrane with Soft Polar Interfaces
Nonlinear Instability of Biological Membrane Surfaces with Application to Bioadhesion
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Reviews - Synopsis - Dust Jacket

This eclectic mix of studies on the chemical and electrochemical behavior of membrane surfaces investigates both organic and inorganic membranes from a host of different perspectives and in the context of many diverse disciplines.
Membranes
of processes of reverse osmosis, desalination, diffusion, and gas

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permeation; elucidates atomic force microscopy of synthetic membranes; describes transport mechanisms in terms of the interaction of membrane surfaces, interiors, and surrounding fluids; analyzes cation- and anion-exchange and electroconvective mechanisms in membrane transport; examines permeability and adhesion in biomembranes; and more.From the Preface: “Interest in the functioning of membranes is growing continuously, as is reflected in the overwhelming output of scientific papers in the field every year. There is increasing awareness of the crucial role played by the membrane surface — not only in synthetic membranes for reverse osmosis, desalination, purification, hemodialysis, and so on, but also in the biological membranes. The surface properties may be of a general physical nature (as in static or dynamic electric double layers), of a physicochemical nature (as the frozen-in two-phase structure of membranes with phase inversion during casting), or of a more specific chemical nature...”Target Audience: Physical, surface, colloid, inorganic, organic, medicinal, and analytical chemists; chemical engineers; biophysicists and biotechnologists; and upper-level students of these disciplines.

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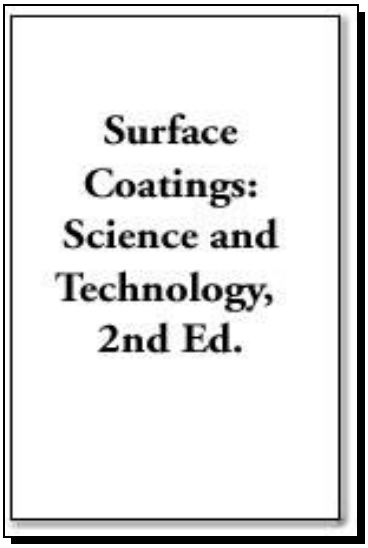
Title	Location	Edition / Series / Misc.

1034 **Surface Coatings: Science and Technology, 2nd Ed.**

Author: Swaraj Paul
Publish.: John Wiley & Sons
- place:
- date: 1996
Subject: Paints and Protective Coatings - Additives - Coating Processes
Desc: 946 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471958182
Shelf

Edition:
Series:
Year: 1996
Price: $336.50



Subjects

235 .	Coating processes
611 .	Additives
617 .	Paints and Protective Coatings

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Reviews - Synopsis - Dust Jacket

This book provides a comprehensive overview of all aspects of coating technology, including composition, preparation and application, and the parameters controlling their ultimate performance. Topics dealt with in more detail than in the first edition include the synthesis of industrial resins (this chapter now amounts to some 260 pages!); there is also new information on new surface coatings technologies and an updated discussion of the basic principles of paint formulation.From the Preface: "...Since I have been involved with the industry for a long time, my main effort has been to present the coating technology more from the practical point of view and also to explain the underlying principles from the same standpoint. Therefore, I have selected my coauthors from industrial laboratories with long practical experience. I have also striven to present full coverage of the state-of-the-art of coating science..."Target Audience: All coatings technologists, scientists, and researchers, as well as technical staff in supplier and end-use companies.
Brief Table of Contents:Synthesis of Polymeric Binders
Industrial Resins
Pigments
Principles of Solvent Selection in Paint Formulations
Pigment Dispersion Formulation
Surface Preparation and Paint Application
Paint Properties and Their Evaluation
Types of Coatings
New Technologies
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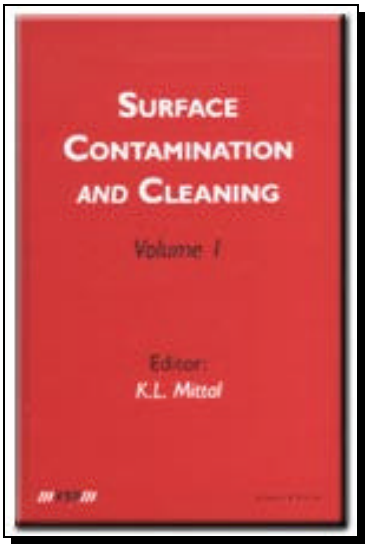
Title	Location	Edition / Series / Misc.

1507 **Surface Contamination and Cleaning, Vol. 1**

Author: K.L. Mittal, ed.
Publish.: VSP
- place:
- date: 2003
Subject: Materials Science - Surface Characterization and Analysis
Desc: 374 p, 6.2 x 9.4 Hardcover

Dynix:
Call No.:
ISBN: 9067643769
Shelf

Edition:
Series:
Year: 2003
Price: $183.50



Subjects

608 .	Surface Characterization and Analysis
609 .	Materials Science

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Monitoring Cleanliness and Defining Acceptable Cleanliness Levels
Tracking Surface Ionic Contamination by Ion Chromatography
A New Method Using MESERAN Technique for Measuring Surface Contamination After Solvent Extraction
Methods for Pharmaceutical Cleaning Validations
Influence of Cleaning on the Surface of Model Glasses and Their Sensitivity to Organic Contamination
Decontamination of Sensitive Equipment
The Fundamentals of No-Chemistry Process Cleaning
Development of a Technology for Generation of Ice Particles
Cleaning with Solid Carbon Dioxide Pellet Blasting
Development of a Generic Procedure for Modeling of Waterjet Cleaning
Experimental and Numerical Investigation of Waterjet Derusting Technology
Practical Applications of Icejet Technology in Surface Processing
Correlating Cleanliness to Electrical Performance
Qualifying a Cleaning System for Space Flight Printed Wiring AssembliesInvestigation of Modified SC-1 Solutions for Silicon Wafer Cleaning
Performance Qualification of Post-CMP Cleaning Equipment in a Semiconductor Fabrication Environment
Spatial and Temporal Scales in Wet Processing of Deep Submicrometer Features
Microdenier Fabrics for Cleanroom Wipers
Fine Particle Detachment Studied by Refrectometry and Atomic Force Microscopy
Dust Removal from Solar Panels and Spacecraft on Mars
Laser Cleaning of Silicon Wafers: Prospects and Problems
Particle Removal Using Resonant Laser Detachment
The Future of Industrial Cleaning and Related Public Policy-Making

Reviews - Synopsis - Dust Jacket

This volume documents the proceedings of the on Surface Contamination and Cleaning 2001. It contains 24 peer-reviewed papers, dealing with all kinds of contamination on a host of surfaces, as well as methods for surface evaluation and effects of various cleaning techniques.From the Preface: "...The ubiquitous nature of surface contamination causes concern to everyone dealing with surfaces, and the world of surfaces is wide and open-ended. A contaminant is defined as `unwanted matter or energy' or `material or energy in the wrong place'. Also, contaminants can be broadly classified as: film-type, particulates; ionic, and biological or microbial. The technological areas where surface contamination has always been a bete noir and thus surface cleaning is of cardinal importance...range from aerospace to microelectronics to biomedical..."Target Audience: Academic and industrial technologists and scientists, as well as upper-level students, interested in the technologically important field of surface contamination and cleaning.

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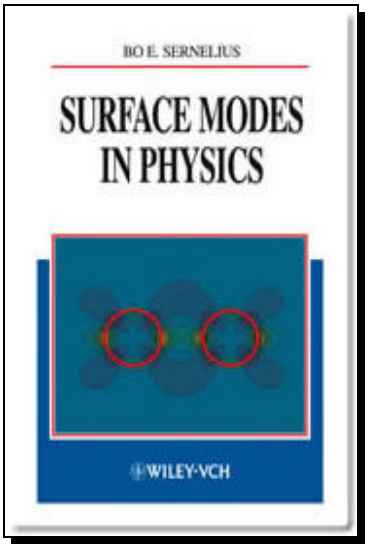
Title	Location	Edition / Series / Misc.

1338 **Surface Modes in Physics**

Author: Bo E. Sernelius
Publish.: Wiley - VCH
- place:
- date: 2001
Subject: Surface Characterization and Analysis - Materials Science
Desc: 370 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527403132
Shelf

Edition:
Series:
Year: 2001
Price: $146.50



Subjects

608 .	Surface Characterization and Analysis
609 .	Materials Science

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Introduction
Bulk Modes
Model Dielectric Functions
Zero-Point Energy of Modes
Modes at Flat Interfaces
Forces
Energy and Force
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Reviews - Synopsis - Dust Jacket

Electromagnetic surface modes are present at all surfaces and interfaces between materials of different dielectric properties. These modes have very important effects on numerous physical quantities: adhesion, capillary force, step formation and crystal growth, the Casimir effect, etc. They cause surface tension and wetting and they give rise to forces which affect assorted phenomena, such as the stability of colloids. Surface Modes in Physics
field. It pursues a useful and elegant approach to the topic, showing how the concept of electromagnetic modes can be developed as a unifying theme for a range of condensed matter physics. The author concentrates on finding out the basic origin of the forces and how they are developed from the collective excitations of the solids. Different materials, such as metals, semiconductors, plasmas, liquids, and gases, are considered. The theoretical background information is demonstrated through a broad array of applications.From the Preface: "...The modes and the effects of these modes are what a solid-state theorist would call many-body effects. Many-body theory is a very beautiful, but also very complicated, theory...However, as we will see in the text, we get away without having to use this theory. We only need to be able to determine the electromagnetic fields that are solutions to Maxwell's equations with the proper boundary conditions at the surfaces and interfaces. Thus the problem is reduced into one of classical fields..."Target Audience: Solid state physicists, surface physicists, surface chemists, and graduate level students of these disciplines.

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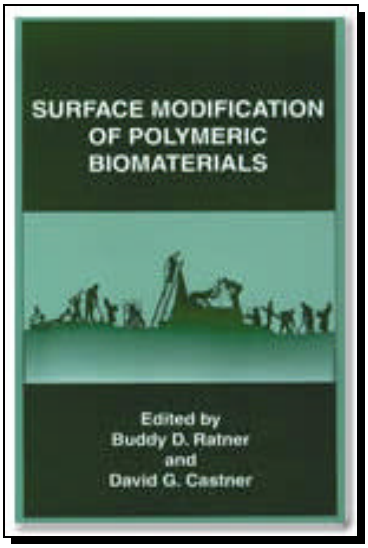
Title	Location	Edition / Series / Misc.

1067 **Surface Modification of Polymeric Biomaterials**

Author: Buddy D. Ratner and David G. Castner, eds.
Publish.: Plenum Press
- place:
- date: 1997
Subject: Biopolymers and Medical Applications - Polymer Surface Modificatic
Desc: 215 p, 6.5 x 10 Hardcover

Dynix:
Call No.:
ISBN: 306455129
Shelf

Edition:
Series:
Year: 1997
Price: $141.50



Subjects

602 .	Polymer Surface Modification
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

Biomaterials scientists can exploit the fabulous progress being made in the engineering of bioreactions by derivatizing surfaces with biologically active molecules. Revolutionary self-assembly technologies offer them a ready route to surfaces precisely ordered on the molecular scale; scanning probe microscopies and other analytical techniques borrowed from physics and microelectronics allow surface modifications to be studied and optimized with an extraordinary degree of detail.
of Polymeric Biomaterials
symposium held in Anaheim, CA in April 1995; it presents a wide-ranging review of these developments.From the Preface: "...It is fair to say that surface modification has, from the earliest days to the present, impacted contemporary biomaterials.
The attractions of surface modification for biomedical applications are manifold..."Target Audience: Scientists and technologists in industry and academia who are concerned with modified biopolymer surfaces.Brief Table of Contents:Surface Modification of Polymers for Biomedical Applications: Chemical,
Biological, and Surface Analytical Challenges
Polymerization Methods for Surface Modification
Plasma Treated and Deposited Layers
Characterization of Modified Surfaces
Surface Immobilization of Biomolecules
Protein and Cell Interactions with Modified Surfaces
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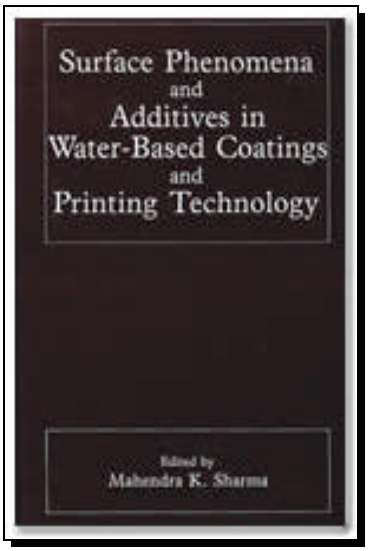
Title	Location	Edition / Series / Misc.

1005 **Surface Phenomena and Additives in Water-Based Coatings and Printing Technology**

Author: Mahendra K. Sharma, ed.
Publish.: Plenum Press
- place:
- date: 1991
Subject: Inks and Coatings - Additives - Coating Processes - Polymer Surfac
Desc: 320 p, 6.5 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 306441039
Shelf

Edition:
Series:
Year: 1991
Price: $173.50



Subjects

235 .	Coating processes
603 .	Inks and Coatings
611 .	Additives

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Additives and Water-Based Coating/Ink Systems:
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Foaming and Crawling of Aqueous Industrial Coatings
Silicones in the Coating Industry: Flow, Levelling and Defoaming
Organosilicone Surfactants: Properties, Chemistry, and Applications
UV Curable Silicone Release CoatingsSurface Modifications and Wettability:
Surface Treatment of TiO
Stability
Titanium Dioxide Particle Size Control for Designed Performance in Water-Borne Coating Systems
Pigment Wetting and Dispersing Additives for Water-Based Coatings and Inks
Surface Characterization of Polymer Substrates, Flexographic Printing Plates and Dried Ink Films Printed with Water-Based Ink Systems
A Dynamic Approach to Surface Energy and Wettability Phenomenon in Flexography
Hydrotrope Effect in Emulsion Polymers: Surface Properties, Particle Size and Coagulum
Film Thickness Control for Chemically Synthesized Conducting PolypyrroleInk/Coating Formulations and Their Characterization:
High Resolution Particle Size Analysis of Coating Materials: Achieving Accurate and High Resolution Results
Comparison of New Methods of Laser Particle Analysis for the Range 0.0005
Rheological Property Measurement With the Falling Needle Viscometer: Theory
Multifunctional Falling Needle Viscometer to Measure Thermophysical Properties of Newtonian and Non-Newtonian Fluids: Applications
Fundamentals of the Dispersion Process and Characterization of Coating Materials Using Different Types of Dispersion Equipment
Surface Tension Measurement (Ring Method) and Characterization of Coating Materials
Ink Formulations Through Statistically Designed Mixture Experiments
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3062.html">Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology
href="http://www.polysurfacesbookstore.com/pages/3107.html">Surface Phenomena and Latexes in Water-Based Coatings and Printing Technology are companion volumes to this title.

Reviews - Synopsis - Dust Jacket

This collection of papers, first presented at an international symposium sponsored by the Twenty-first Annual Meeting of the Fine Particale Society held in San Diego, CA, August 21-25, 1990, discusses additives effects, surface modification and wettability, and

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characterization and formulation of inks and coatings.Surface Phenomena and Additives in Water-Based Coatings a
Printing
Technology
performance and properties of water-based coatings with special reference
to surface phenomena such as wettability, adhesion, surface energies,
dispersion stability, particle size and size distribution.From the Preface: "...Several processes occurring at molecul
microscopic and macroscopic levels in characterizing flow, leveling,
defoaming, wetting and dispersing additives are described to minimize or
eliminate the coating and printing defects. I hope that this book will
serve its intended objective of summarizing various surface phenomena and
additives in relation to water-based technology..."Target Audience: Surface chemists, chemical and environmental
engineers, additives chemists, ink, paint, and coating formulators, and
researchers and students interested in these fields.

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Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology

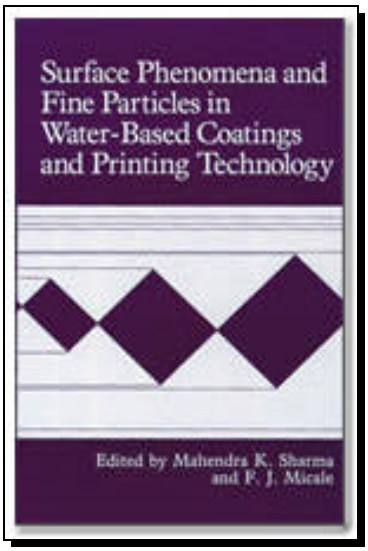
Title	Location	Edition / Series / Misc.

1033 **Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology**

Author: Mahendra K. Sharma and F.J. Micale, eds.
Publish.: Plenum Press
- place:
- date: 1991
Subject: Coating Processes - Additives - Inks and Coatings - Printing
Desc: 343 p, 6.5 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 306437244
Shelf

Edition:
Series:
Year: 1991
Price: $181.50



Subjects

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611 .	Additives

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Drying of Water-Based Inks and Coatings
Hiding Power of Aluminum Pigments in Printing Ink Films
Aqueous Polymeric Dispersions for Film Coatings of Pharmaceutical Solid-Dosage Forms
Performance Characteristics of Water-Based Pharmaceutical CoatingEmulsions and Adhesion in Coatings:
Surface Property Modification via Wax Emulsions
Moisture Permeability of Emulsion Paint Film with Microgel
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Latex Characterization to Determine Adhesion Failure
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Electrokinetic and Optical Study of Ordered Polymer Colloid
Microstructure of a Water Dispersible Polyester
The Dynamic Surface Properties of Surfactants
Wettability and Surface Energies of Polymer Substrates
Particle—Surface Deposition in the Presence of Absorbed Polymer Layers
Organic Pigments and Their Relationships to Aqueous Ink
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3012.html">Surface Phenomena and Additives in Water-Based Coatings and Printing Technology
href="http://www.polysurfacesbookstore.com/pages/3107.html">Surface Phenomena and Latexes in Water-Based Coatings and Printing Technology
are companion volumes to this title.

Reviews - Synopsis - Dust Jacket

Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology
international symposium sponsored by the Fine Particale Society held in Boston, MA, August 21-25, 1989. It discusses emulsions and adhesion in coatings, characterization of inks and coatings, underlying principles,

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and applications of waterborne technology.From the Preface: "...Major topics discussed involve surface phenomen in coatings, printing defects and their remedies, surface tension effects in water-based coatings and printing inks, surface energies of polymer substrates, wettability, aqueous polymeric film coating of pharmaceuticals, flexographic and gravure printing processes, characterization of coating materials, pigment dispersion, wax emulsions for surface modifications, and the role of polymer in particle/surface deposition..."Target Audience: Surface chemists, chemical and environmental engineers, additives chemists, ink, paint, and coating formulators, and researchers and students interested in these fields.

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Title	Location	Edition / Series / Misc.

1058 **Surface Phenomena and Latexes in Waterborne Coatings and Printing Techonology**

Author: Mahendra K. Sharma, ed.
Publish.: Plenum Press
- place:
- date: 1995
Subject: Inks and Coatings - Additives - Coating Processes - Printing
Desc: 240 p, 6.5 x 9.8 Hardcover

Dynix:
Call No.:
ISBN: 306451069
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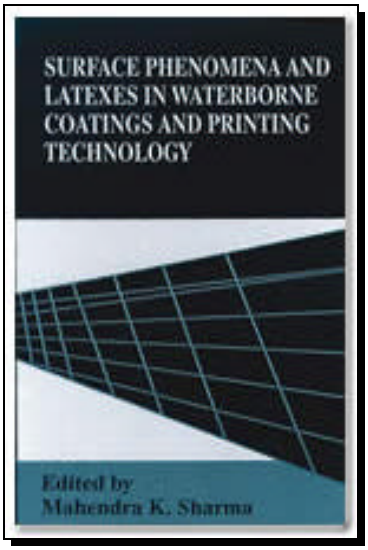
Edition:
Series:
Year: 1995
Price: $141.50



Subjects

235 .	Coating processes
603 .	Inks and Coatings
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Colloidal Pigment Dispersion for Corrugated Board
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Advances in Waterborne Acrylic Resin/Polyester Polymer Blends and Their Applications
Pigment Grinding Using Waterborne Acrylic Resin/Polyester Polymer Blends
The Dispersion of Organic Pigments in Aqueous Media
Colloid Aspects of Colorants in Relation to Aqueous PrintingLatex Film, Wetting Phenomena and Printing Gloss:
Characterizing Mechanical Properties of Latex Film and Coating Layer in Paper Coating Using Dynamic Mechanical Thermal Analyzer (DMTA)
Solid Determination in the Latex and Latex-Based Coatings
Improvement of Wet Adhesion of Organic Coatings by Thin Adhesion Layer
Dynamic Wetting of Water-Based Inks in Flexographic and Gravure Printing
Commercial Printing and GlossSurfactants and Polymers in Aqueous Coating/Printing Systems:Electrokinetic Prope of Polymer Micro-Surfaces
Xenon NMR: A New Probe for Studying Structural Changes of Polymeric Surfactants
The High Shear Rheological Properties of Dispersions
Three-Dimensional Characterization of Active Surfactants
Surfactants in Coatings and Paint
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3012.html">Surface Phenomena and Additives in Water-Based Coatings and Printing Technology
href="http://www.polysurfacesbookstore.com/pages/3062.html">Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology

Reviews - Synopsis - Dust Jacket

This third volume in the series on waterborne coating and printing technology documents several invited papers and the proceedings of the International Symposium on Surface Phenomena and Latexes in Waterborne Coatings and Printing Technology, sponsored by the Fine Particle Society (FPS), held in Las Vegas, July 13-17, 1992. It deals with various basic and applied aspects of research on waterborne coating/printing technology. From the Preface: "...This volume includes discussions of various waterborne polymers in coating/printing systems. The editors hope that [it] will serve its intended objective of reflecting the current understanding of formulation and process problems related to waterborne coatings, paints and inks. In addition, it will be a valuable reference source for both novices as well as experts in the field..."Target Audience: For all water-based coatings, paint, and technologists.

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Title	Location	Edition / Series / Misc.

1275 **Surface Science Techniques**

Author: J.M. Walls and R. Smith, eds.
Publish.: Pergamon Press
- place:
- date: 1994
Subject: Surface Characterization and Analysis - Polymer Characterization -
Desc: 196 p, 8.5 x 11 Hardcover

Dynix:
Call No.:
ISBN: 80421482
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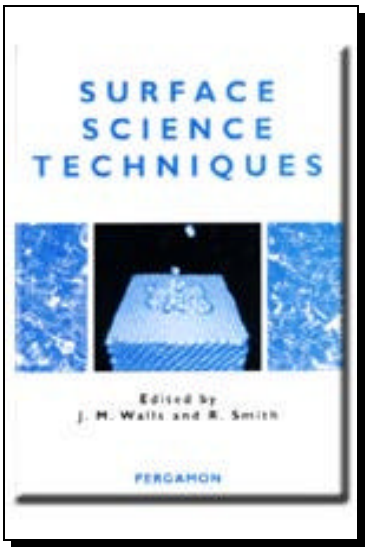
Edition:
Series:
Year: 1994
Price: $53.50



Subjects

601 .	Polymer Surface Chemistry
608 .	Surface Characterization and Analysis
613 .	Polymer Characterization

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Surface Infrared Spectroscopy
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Secondary Ion Mass Spectrometry
Ion Scattering Spectroscopy
Rutherford Backscattering and Nuclear Reaction Analysis
Scanning Tunneling Microscopy
Atom Probe Field Ion Microscopy
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Reviews - Synopsis - Dust Jacket

This book provides a comprehenisve review of the techniques used to determine the nature and composition of surfaces. Originally published as a special issue of the Pergamon journal carefully edited collection of chapters written by specialists in each of the techniques and includes coverage of the electron and ion spectroscopies, as well as the atom-imaging methods such as the atom probe field ion microscope and the scanning tunneling microscope.From the Foreword: "...Surface science is an importan of study since the outermost surface layers play a crucial role in processes such as catalysis, adhesion, wear, and corrosion, with applications in the chemicals and polymer industries, metallurgy, thin films and surface coatings and microelectronics, to name a few. The book covers both those techniques used routinely for surface analysis as well as those employed for more fundamental scientific studies..."Target Audience: University research workers, graduate students, analytical laboratory scientists, and industrial technologists solving practical problems in surface science.

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Title	Location	Edition / Series / Misc.

1342 **Surface Science: Foundations of Catalysis and Nanoscience**

Author: Kurt W. Kolasinski
Publish.: John Wiley & Sons
- place:
- date: 2002
Subject: Surface Characterization and Analysis - Interfacial Engineering and
Desc: 318 p, 6.5 x 9.5 Paperback

Dynix:
Call No.:
ISBN: 471492450
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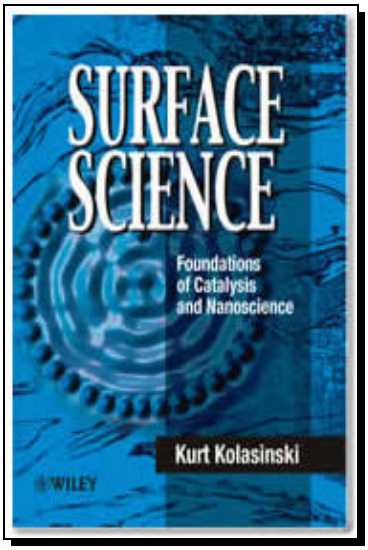
Edition:
Series:
Year: 2002
Price: $45.00



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis

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Introduction
Surface Structure
Experimental Probes of Surface and Adsorbate Structure
Chemisorption, Physisorption and Dynamics
Thermodynamics and Kinetics of Surface Processes
Complex Surface Reactions: Catalysis and Etching
Growth and Epitaxy
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Reviews - Synopsis - Dust Jacket

Surface chemistry is an essential and developing area of physical chemistry and one that has become increasingly multidisciplinary. This book offers a comprehensive, modern introduction to the subject, taking a truly pedagogical approach. This text will provide the reader with a well-rounded understanding, not only of how chemistry works at surfaces, but also how to understand and probe the dynamics of surface reactions.Opening with an examination of the import of heterogeneous reactions, Nanoscience reactions at surfaces through a detailed treatment of surface electronic and geometric structure. Reactivity on and with surfaces is clearly explained. Fundamental principles such as adsorption, desorption and reactions between adsorbates are examined, with extensive coverage of developments in the growth of epitaxial and Langmuir-Blodgett films, as well as treatment of the etching of surfaces.From the Introduction: "...Surface science had always been about nanoscale science, even though it was never phrased that way. Catalysis has been the traditional realm of surface chemistry. With the advent of nanotechnology, it became apparent that the control of matter on the molecular scale at surfaces was of much wider relevance. This book is an attempt, from the point of view of a dynamicist, to approach surface science as the underpinning science of both heterogeneous catalysis and nanotechnology..."Target Audience: Chemistry, physics, chemical engineering and materials science students taking courses in surface chemistry, as well as researchers and professionals needing an up-to-date review of the subject.

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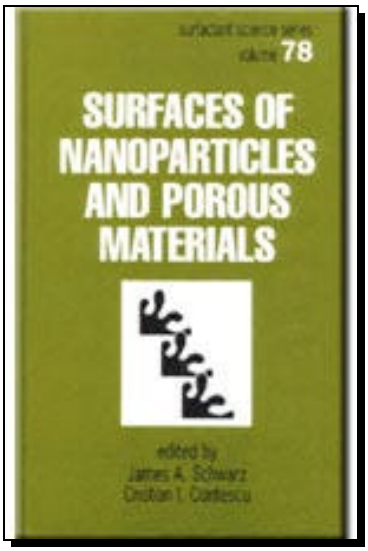
Title	Location	Edition / Series / Misc.

1146 **Surfaces of Nanoparticles and Porous Materials**

Author: James A. Schwarz and Cristian I. Contescu, eds.
Publish.: Marcel Dekker
- place:
- date: 1999
Subject: Interfacial Engineering and Surface Science - Colloids and
Desc: 804 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 824719336
Shelf

Edition:
Series:
Year: 1999
Price: $213.50



Subjects

600 .	Interfacial Engineering and Surface Science
609 .	Materials Science
621 .	Colloids and Emulsions

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Reviews - Synopsis - Dust Jacket

Presenting both synthesis and characterization protocols, this book charts the use of spectroscopy in characterizing structural and chemical heterogeneity. It shows how intra- and inter-particle resistance affect adsorbent transport; deals with the utilization of nanostructural materials in gaseous and liquid environments; emphasizes the importance of structural and energetic heterogeneity and its influence on the performance of three dimensional materials; presents case studies illustrating the adsorption properties of surfaces; and more.From the Preface: “In the world of nanoparticles and microporous materials, the interaction forces between nanosized particles and molecules from the surrounding medium, or the forces between particles themselves, may exceed the mechanical forces between bodies of the macroscopic world. This is caused by the high surface-to-volume ratio of nanoparticles and microporous materials. When familiar materials become mainly surface, they acquire new optical, magnetic, electrical, chemical, and transport properties. Thus, dispersions tend to agglomerate, fine particles show increased mechanical strength, and microporous solids develop tremendous sorption and molecular sieving properties.....”Target Audience: Physical, surface, colloid, inorganic, organic, polymer, medicinal, and analytical chemists; chemical engineers; materials scientists; biochemists and biophysicists; and upper-level students in these disciplines.Partial Table of Contents:

Preparation, Characterization, and Transport Properties of Nanoparticles and Porous Solids:
Preparation of Molecular Sieves by Pillaring of Synthetic Clays
Engineering of Nanosize Superparamagnetic Particles for Use in Magnetic Carrier Technology
Acid—Base Behavior of Surfaces of Porous Materials
Electro-Optical Spectroscopy of Colloidal Systems
NMR Studies of Colloidal Oxides
Polymer Surface Dynamics Using Surface-Modified Glasses via Dynamic Contact Angle Measurements
Microporous Structure of Collagen Fibers
Electrokinetic Phenomena in Porous Media and Around Aggregates
Transport Processes in MicroemulsionsAdsorption fom the Vapor/Gas Phase onto Nanoparticles and Porous Solids:
Characterization of Energetically Heterogeneous Surfaces from Experimental Adsorption Isotherms
Surface Heterogeneity Effects on Adsorption Equilibria and Kinetics: Rationalizations of the Elovich Equation
Single- and Multicomponent Adsorption Equilibria of Hydrocarbons on Activated Carbon: The Role of Micropore Size Distribution
Surface and Structural Properties of Modified Porous Silicas
Nanodimensional Magnetic Assembly of Confined O
Heat of Adsorption of Pure Gas and Multicomponent Gas Mixtures on Microporous AdsorbentsAdsorption from the Liquid Phase onto Nanoparticles and Porous Solids:
Surface Chemistry of Activated Carbon Materials: State of the Art and Implications for Adsorption

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Charge Regulation at the Surface of a Porous Solid
Surface Ionization and Complexation
The Surface Charge of Alkali Halides in their Saturated Solutions
Ionic Adsorbates on Hydrophobic Surfaces
Hydrous Metal Oxides as Adsorbents for Aqueous Heavy Metals
Adsorption of Ions onto Alumina
Protein Adsorption onto Latex Particles
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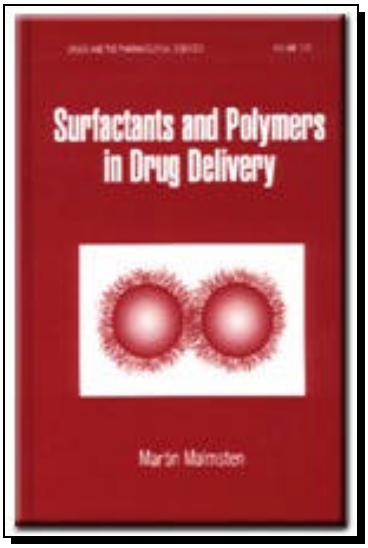
Title	Location	Edition / Series / Misc.
1416 **Surfactants and Polymers in Drug Delivery**		*Edition:*
Author: Martin Malmsten	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824708040	
- date: 2002	*Shelf*	*Year:* 2002
Subject: Biopolymers and Medical Applications - Solubility and Surfactants		*Price:* $145.00
Desc: 356 p, 6 x 9 Hardcover		



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605 .	Solubility and Surfactants
622 .	Biopolymers and Medical Applications

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Polymer Solutions and Gels
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Degradation of Surfactants and Polymers in Drug Delivery
Drying of Formulations Containing Surfactants and Polymers
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Reviews - Synopsis - Dust Jacket

This reference features the latest findings surrounding the physicochemical aspects of surfactant and polymer systems to facilitate the design and understanding of novel and advanced drug delivery formulations. It highlights the basics of surfactant and polymer surface activity and self-assembly, the various types of structures formed by such compounds, and how they may be used in drug delivery.Surfactants and Polymers in Drug Delivery solubilization of drugs in micellar systems; liquid crystalline phases formed by PEO—PPO—PEO block copolymers and other copolymers and surfactants; triggered drug release from liposome formulations; microemulsions formed by ionic and nonionic surfactants; microemulsions in oral and topical administration; emulsions in parental, oral, and dermal drug delivery; gels formed by polysaccharides, block copolymers, and polymer—surfactant mixtures; chemically cross-linked gels; and much more.From the Preface: “Surfactant and po systems play an important role in modern drug delivery, where they may allow control of the drug release rate, enhance effective drug solubility, minimize drug degradation, contribute to reduced toxicity, and facilitate control of drug uptake. In all, they contribute significantly to therapeutic efficiency. However, although understanding of the physicochemical properties and behavior of surfactants and polymers in solution and at interfaces has undergone dramatic development in the past couple of decades, the new findings have generally not been fully implemented in drug delivery...”Target Audience: Surface, pharmaceutical, colloid, polymer, and medicinal chemists; chemical, formulation, and application engineers; pharmacists; and upper-level students of these disciplines.

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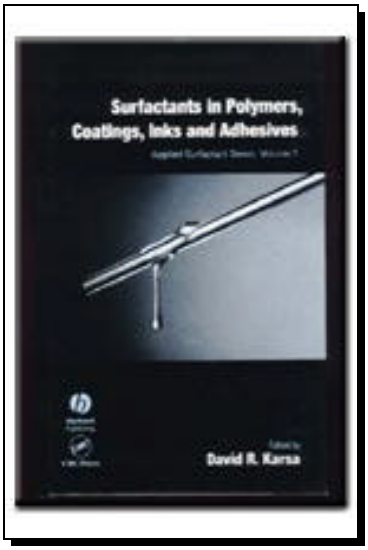
Title	Location	Edition / Series / Misc.

1510 **Surfactants in Polymers, Coatings, Inks, and Adhesives**

Author: David R. Karsa, ed.
Publish.: Blackwell Publishing
- place:
- date: 2003
Subject: Solubility and Surfactants - Adhesives and Adhesion - Inks and
Desc: 320 p, 6.1 x 9.2 Hardcover

Dynix:
Call No.:
ISBN: 84932808
Shelf

Edition:
Series:
Year: 2003
Price: $125.00



Subjects

603 .	Inks and Coatings
605 .	Solubility and Surfactants
606 .	Adhesives and Adhesion

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Surfactants and Emulsion Polymerisation: An Industrial Perspective
The Role of Emulsifiers in the Kinetics and Mechanisms of Emulsion Polymerization
Polymerisable Surfactants (Surfmers) for Emulsion Polymerisation Production
Uses of Anti-Foaming Agents in Paints and Surface Coatings
Applications of Oligomeric Surfactants in Polymer Systems
Applications of Surfactants in Paints
Surfactant—Waterborne Polymer Interactions in Coating Applications
Surfactants in Ink-Jet Inks
Process Aids and Additives for Latexes and Thermoplastics
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Reviews - Synopsis - Dust Jacket

Surface active agents are used as process aids in the production of polymers, as additives to modify polymer properties, and in the formulation and further processing of polymeric systems for a variety of applications. In all these uses, surfactants are employed as “effect” chemicals; i.e., they impart specific performance characteristics or properties to the base polymer or enhance its performance when formulated for a specific end use. This volume (the first in a new Surfactant Series greatest industrial and commercial interest.From the Preface: “...Surfactants are used extensively in the production of water-based emulsion polymers. The surfactants act as emulsifiers to facilitate the reaction between monomers and free radical initiators in different phases, but they also stabilise the latex particles as they are formed. The finished polymer emulsions are used in applications such as paints, inks, adhesives and textile coatings, and in non-wovens. In many of these end uses, residual surfactants may detract from the properties of the product concerned, e.g., poorer scrub resistance in an emulsion paint. Recent work has focused on the development of emulsifiers which themselves copolymerise into the polymer backbone as the emulsion polymer reaction progresses. These are the so-called `surfmers.'...”Target Audience: Surfactants developers and technologists, as well as formulators and researchers using surfactants in coatings, inks, adhesives, and polymers.

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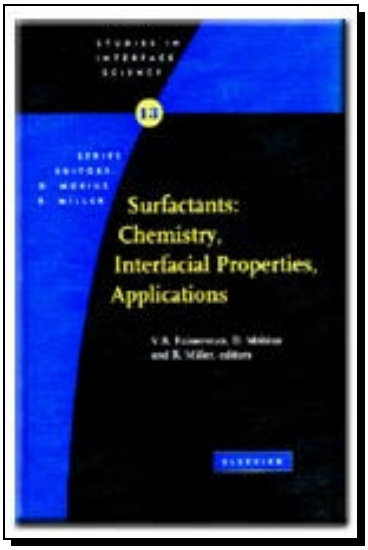
Title	Location	Edition / Series / Misc.

1428 **Surfactants: Chemistry, Interfacial Properties, Applications**

Author: V.B. Fainerman, D. Mobius, and R. Miller, eds.
Publish.: Elsevier
- place:
- date: 2001
Subject: Solubility and Surfactants - Interfacial Engineering and Surface
Desc: 678 p, 6.5 x 9.5 Hardcover with CD-ROM

Dynix:
Call No.:
ISBN: 444509623
Shelf

Edition:
Series:
Year: 2001
Price: $228.50



Subjects

600 .	Interfacial Engineering and Surface Science
605 .	Solubility and Surfactants

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Reviews - Synopsis - Dust Jacket

This volume provides comprehensive material on the chemical and physical attributes of surfactants and new models for the understanding of structure—property relationships.
Properties, Applications
structure, properties, and applications, offering efficient ways to predict the principal physicochemical properties and appropriate applications from the structure of a surfactant.The book includes overviews — with specific examples — of new experimental techniques and abundant reference material on manufacturers, nomenclature, and product properties. The accompanying CD-ROM enables the reader to apply the thermodynamic and kinetic models to experimental data.
From the Foreword: "...Progress in this field is stipulated by simultaneous developments in all branches which constitute surfactant science. On one hand side, new classes of surfactants are emerging brought by the synthesis or extraction from biologic objects. On the other hand, new experimental and theoretical physicochemical studies constantly add to the understanding of properties of traditional and new surfactants..."Target Audience: Physical chemists, chemical engineers, colloid chemists, and upper-level students of these fields.Brief Table of Contents:Chemistry of Surfactants
Thermodynamics of Adsorption of Surfactants at the Fluid Interfaces
Equilibrium Adsorption Properties of Single and Mixed Surfactant Solutions
Dynamics of Adsorption from Solutions
Adsorption from Micellar Solutions
Theory and Practical Application Aspects of Surfactants
Software Tools to Interpret the Thermodynamics and Kinetics of Surfactant Adsorption
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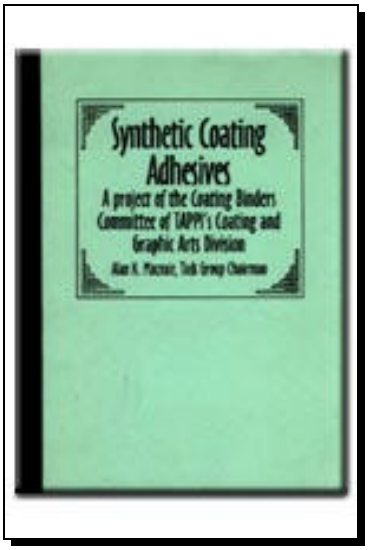
Title	Location	Edition / Series / Misc.

1118 **Synthetic Coating Adhesives**

Author: Alan K. Macnair, ed.
Publish.: TAPPI Press
- place:
- date: 1998
Subject: Additives - Adhesives and Adhesion - Coating Processes - Inks and
Desc: 66 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 898523494
Shelf

Edition:
Series:
Year: 1998
Price: $35.00



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235 .	Coating processes
606 .	Adhesives and Adhesion
611 .	Additives

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Styrene—Butadiene Latices
Acrylic—Copolymer Paper Coating Binders
Poly(vinyl alcohol) — A Versatile Polymer for Paper and Paperboard Applications
Polyvinyl Acetate Paper Coating Latices

Reviews - Synopsis - Dust Jacket

This TAPPI Coating Binders Committee monograph explores the physics, chemistry, and kinetics of synthetic binders during their manufacture and use. It outlines some of the practical applications of synthetic binders in coating formulations as they relate to the graphics industry. Brief, to the point, and valuable.From the Preface: "...The effort to gain understanding and control of binder migration, print mottle, backtrap mottle, blister, water retention, different coating rheology, and other inconveniences resulting from their use was a small price to pay for the properties which these binders impart to the coated sheet. The reward for having acquired this knowledge is a quantum leap in smoothness, gloss, print gloss, print fidelity, press performance, reduced raw material waste, and convenience in handling. Much of the new printing technology which has been developed and implemented results from the availability of synthetic adhesives for paper coating..." Target Audience: Useful for experienced paper coating technologists and researchers as well as newcomers to the field and students.

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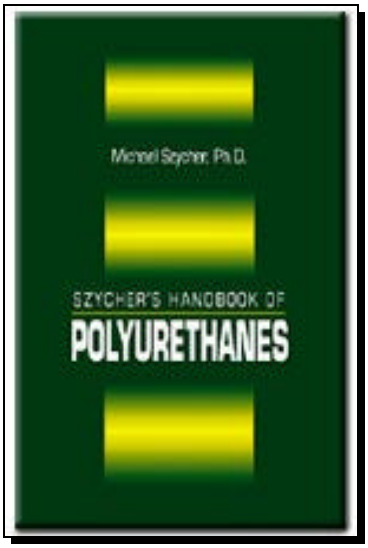
Title	Location	Edition / Series / Misc.

1550 **Szycher's Handbook of Polyurethanes**

Author: Michael Szycher
Publish.: CRC Press
- place:
- date: 1999
Subject: Polymer Science
Desc: 700 p., 7 x 10 Hardcover

Dynix:
Call No.:
ISBN: 0849306027
Shelf

Edition:
Series:
Year: 1999
Price: $133.50



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610 . Polymer Science

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Flexible and Semiflexible Foams

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Elastomers

Reaction Injection Molding

Polyurethane Adhesives

Waterborne Polyurethanes

Health and Safety

Radiation-Curable Adhesives and Coatings

Processing Methods

Compounding Ingredients

Copolymers and Polyblends

Polyurethane Coatings

Castables, Sealants, and Caulking Compounds

Medical Applications

Appendices

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Reviews - Synopsis - Dust Jacket

This handbook compiles data from many sources, including patents and original academic studies, covering the en spectrum of polyurethanes — from current technology to buyer's information. Discussions address block and

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heteroblock systems; rubber plasticity; structure—property relationships; microphase separation; catalysis of isocy reactions; synthesis of polyurethanes for thermoplastics, thermosets, and curable compositions by either heat or U energy; various end-user applications; and more. Includes a 93 page listing of polyurethane suppliers and manufacturers.

From the Preface: "...This handbook is not composed of original articles; instead, it is based on hundreds of publish references. The author has tried to credit original sources by providing an extensive bibliography. The reader is encouraged to refer to the original sources for more complete information and insight. Polyurethanes are arguably th most complex family of polymers. Polyurethanes range from soft elastomeric polymers to hard elastoplastics that r metals. Polyurethanes are used as structural materials, coatings, adhesives, and sealants. Polyurethanes can be synthesized as thermoplastics, thermosets, and curable compositions by either heat or UV energy — and all this b molecular design, as opposed to compounding by the addition of plasticizers or other modifiers."

Target Audience: Professionals in the research and development of polyurethane products; chemists; plastics engineers; manufacturers of medical and dental devices; and students of these fields.

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Taming the Flexo Process - A Beginning, Experiment and Verification

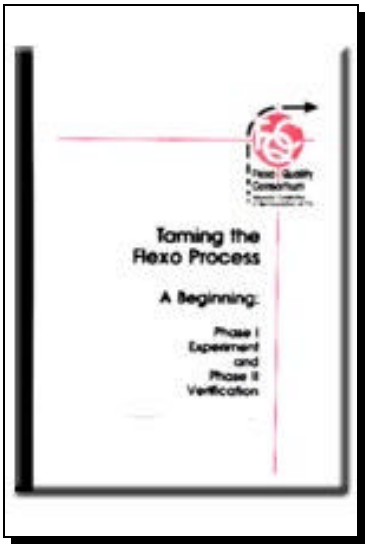
Title	Location	Edition / Series / Misc.

1153 **Taming the Flexo Process - A Beginning, Experiment and Verification**

Author:
Publish.: FTA
- place:
- date: 1994
Subject: Printing Technology - Experimental Design and Analysis
Desc: 112 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1994
Price: $15.00



Subjects

624 .	Printing Technology
627 .	Experimental Design and Analysis

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Introduction
Phase I — The Experiment
Phase II — Verification
Appendix A: Hadamard Matrix Design
Appendix B: Flow Charts Describing FQC Formation
Appendix C: Tables of Coefficients of the Regression EquationsNote:
href="http://www.polysurfacesbookstore.com/pages/3268.html">2
href="http://www.polysurfacesbookstore.com/pages/3270.html">4
companion volumes to this title.

Reviews - Synopsis - Dust Jacket

This first volume describes an evaluation of flexographic printing process variables and their effects on quality which was run by the Flexo Quality Consortium (FQC). It presents the entire research process over its four year execution, with full documentation of the experimental design, including materials selection, statistical modeling, output measurement, and results verification. The accompanying diskette contains the data compiled from this extensive research project.From the Introduction: "...This report...is intended to provide a guide for those who would do a similar study, for those who would use the predictive equations generated by Phase I to try to improve their own printing performance, and/or for those who may wish to analyze for themselves the data from the Phase I experiment. This data is included on a computer disk bound with this publication..."Target Audience: Quality and process specialists; operations and pla managers; and other interested personnel in flexo printing facilities.

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Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verification

Title	Location	Edition / Series / Misc.

1154 **Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verifica**

Author: Flexo Quality Consortium
Publish.: FTA
- place:
- date: 1997
Subject: Printing Technology - Converting Technology - Experimental Desigr
Desc: 50 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1997
Price: $15.00

Subjects

620 .	Converting Technology
624 .	Printing Technology
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Experimental Design
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Data Analysis, Part I
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Summary & RecommendationsNote:
href="http://www.polysurfacesbookstore.com/pages/3267.html">1
href="http://www.polysurfacesbookstore.com/pages/3270.html">4
companion volumes to this title.

Reviews - Synopsis - Dust Jacket

This second volume from the Flexo Quality Consortium (FQC) provides quantifiable information on the printing performance of mainstream products in the corrugated industry. Statistically supported conclusions, based on the variables that significantly affect the post printing sector, are presented in this research publication.From the Preface: "...In the chapters to follow you will gain new insight into trends toward improved graphics, areas of opportunity for the industry, capability or process limitations, and more. If you focus on the FQC Corrugated Committee's major findings, you will find valuable information which will benefit your corrugated operation almost immediately. So turn the page and start improving your printing processes..."Target Audience: Quality and process specialists; operations and plant managers; and other interested personnel in flexo printing facilities.

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Title	Location	Edition / Series / Misc.

1155 **Taming the Flexo Process, Vol. 4: Plate Construction Project, Experiment and Verification**

Author: Flexo Quality Consortium
Publish.: FTA
- place:
- date: 1999
Subject: Printing Technology - Experimental Design and Analysis
Desc: 28 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN:
Shelf

Edition:
Series:
Year: 1999
Price: $15.00

Subjects

624 .	Printing Technology
627 .	Experimental Design and Analysis

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Part A, Phase II — Press Runs #3 and #4
Part B — Press Run #5Note:
href="http://www.polysurfacesbookstore.com/pages/3267.html">1
href="http://www.polysurfacesbookstore.com/pages/3268.html">2
href="http://www.polysurfacesbookstore.com/pages/3269.html">3
href="http://www.polysurfacesbookstore.com/pages/3553.html">5
companion volumes to this title.

Reviews - Synopsis - Dust Jacket

This fourth volume from the Flexo Quality Consortium (FQC) relates an experiment designed to illuminate how the parameters of plate construction affect print quality. The experiment was conducted on a wide web press on opaque PE film using solvent based ink. The parameters investigated were plate thickness, stickyback thickness and modulus, impression level, and press speed. The statistically designed experiment shows the effect of each variable, while revealing their optimum values.Target Audience: Quality and process specialists; operations a plant
managers; and other interested personnel in flexo printing facilities.

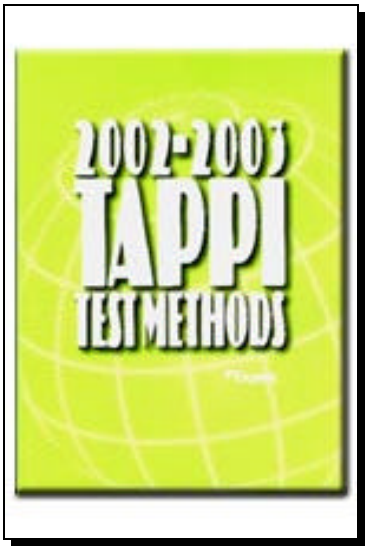
Title	Location	Edition / Series / Misc.

1057 **TAPPI 2002 - 2003 Test Methods**

Author:
Publish.: TAPPI Press
- place:
- date: 2002
Subject: OA/OC. Statistics. and Testing - Adhesives and Adhesion - Convert
Desc: 0 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1930657935
Shelf

Edition:
Series:
Year: 2002
Price: $188.50



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Reviews - Synopsis - Dust Jacket

This one volume publication includes over 300 test methods widely used in the pulp, paper, containerboard, film, and allied industries. The methods address fibrous materials and pulp testing, paper and paperboard testing, nonfibrous materials testing, container testing, structural materials testing, and general testing practices. Also included are lists of standards added or revised since the previous edition, test equipment suppliers, and test laboratories, as well as a reference materials list, proficiency testing program, a supplier directory, safety sources, and a subject index.From the Introduction: “This collection of testing procedures contains all the Official Test Methods, Provisional Test Methods, Classical Methods, and Standard Practices that have been published by the Technical Association of the Pulp and Paper Industry. These test methods have been developed by committees of the association...”Target Audience: Absolutely required for quality control engineers ar lab employees, technical buyers and specifiers, plant managers, and process engineers.Note: This item is also available in CD-ROM format or in combination CD-ROM/bound volume format. Please call, email, or fax for pricing and availability.

Subjects

606 .	Adhesives and Adhesion
607 .	QA/QC, Statistics, and Testing
620 .	Converting Technology

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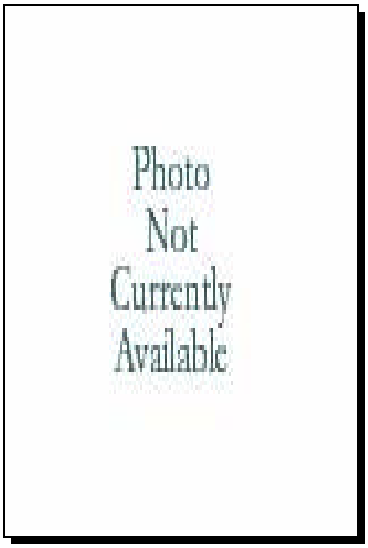
Title	Location	Edition / Series / Misc.

1457 **Technical Graphics Communication, 3rd Ed.**

Author: Gary R. Bertoline and Eric N. Wiebe
Publish.: McGraw-Hill
- place:
- date: 2003
Subject: General Reference - Recommend this Site
Desc: 1312 p, 8.5 x 10 Hardcover

Dynix:
Call No.:
ISBN: 73655988
Shelf

Edition:
Series:
Year: 2003
Price: $85.00



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Reviews - Synopsis - Dust Jacket

Now in its third edition, this text has become the standard in the field of engineering and technical graphics. It presents both traditional and modern approaches to the subject, providing a strong and broad foundation in standard drafting practices and techniques. A strong emphasis on design and industry reinforces the ways that technical graphics are used in real companies. All drawing techniques are presented in a step-by-step layout and are copiously illustrated — over 2,000 full-color illustrations bring important concepts to life. An Online Learning Center for the text provides a wealth of supportive information. Highly recommended.From the Preface: "...The primary goals of the text are to show how to: 1) Clearly represent and control mental images; 2) graphically represent technical designs, using accepted standard practices; 3) use plane and solid geometric forms to create and communicate graphic solutions; 4) analyze graphics models, using descriptive and spatial geometry; 5) solve technical design problems, using traditional tools or CAD; 6) communicate graphically, using sketches, traditional tools or CAD; 7) apply technical graphics principles to many engineering disciplines..."Target Audience: Primarily engineering and technology stude but an

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invaluable guide to anyone who needs guidance on the methods and practices of technical graphics communication.

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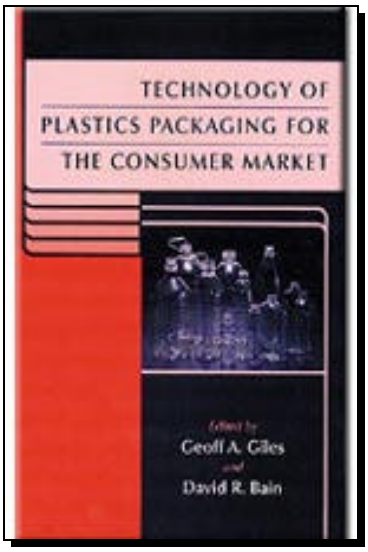
Title	Location	Edition / Series / Misc.

1300 **Technology of Plastics Packaging for the Consumer Market**

Author: Geoff A. Giles and David R. Bain, eds.
Publish.: CRC Press
- place:
- date: 2001
Subject: Packaging Technology - Packaging Conformance and Specifications
Desc: 274 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 84930508
Shelf

Edition:
Series:
Year: 2001
Price: $133.50



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Blown Film
Filling, Labelling and Handleability of Plastic Containers
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Reviews - Synopsis - Dust Jacket

This volume on plastics packaging for the consumer market acquaints the reader with the technologies which can be used to convert a limited number of polymers into a myriad of packaging formats, serving a variety of important end-markets — food, beverage, household, and personal care products. Consideration is given to a variety of processes, from injection molding to blown film manufacture to rigid thermoforming and the manufacture of plastic closures. Authors are drawn primarily from industry.From the Preface: “Plastics are enjoying substantial growth as a packaging medium, at the expense of materials such as glass, metals and paper, and in spite of environmental pressures on plastics materials in general. The growth of plastics packaging is due in no small part to the technologies available to convert available materials into packs of different forms — flexible, semi-flexible and rigid — at high speed, which has had a crucial role in minimising the cost of plastics packaging....”Target Audience: Packaging technicians and engineers; packaging designers; plant managers; packaging materials buyers, and corporate libraries.

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Title	Location	Edition / Series / Misc.

1193 **Tension Control**

Author: Kee-Hyun Shin
Publish.: TAPPI Press
- place:
- date: 2000
Subject: Converting Technology - Paper and Paperboard - Plastic Films -
Desc: 130 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 898523486
Shelf

Edition:
Series:
Year: 2000
Price: $55.00

Subjects

301 .	Plastic films
615 .	Paper and Paperboard
620 .	Converting Technology

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Introduction to Tension Control
Analysis of Primitive Elements and Subsystems
Analysis of Non-Ideal Effects
Analysis of a Multi-span System with a Dancer
Analytical and Experimental Study of Multi-span System
Tension Control in Single-span Systems
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A Computer-based Analysis Program for Web Transport Systems (WTS)
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Reviews - Synopsis - Dust Jacket

Critical web handling problems that can be related to improper tension control include wrinkle, slack, breakage, lateral movement, and poor roll quality. This text — the only reference currently available devoted entirely to tension control — provides a thorough study of the longitudinal dynamics and tension control of web handling systems. It presents analyses of primitive elements and subsystems, non-ideal effects, and dancers; it also discusses analytical and experimental analyses of various multi-span systems.From the Preface: "...In this book...the analysis will start with the primitive elements, which will then lead into the analysis and design of the web-handling systems. In this way, readers with different backgrounds and familiarity with web-handling system configurations and web materials can apply the information from the book to their own cases more easily. The manuscript covers tension control issues and fundmental behaviors in web-handling behaviors like web traction and initial mechanical properties of the web. Then open-loop mathematical models for `primitive' elements and subsystems in multi-span web transport systems explain non-ideal effects on tension variation and interactions between adjacent web spans..."Target Audience: Engineers, researchers, maintenance, and manufacturing personnel, as well as students and others interested in tension control.

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Test Methods for UV and EB Curable Systems

Title	Location	Edition / Series / Misc.
1020 **Test Methods for UV and EB Curable Systems**		*Edition:*
Author: C. Lowe and P.K.T. Oldring	*Dynix:*	*Series:*
Publish.: Wiley - SITA Technology	*Call No.:*	
- place:	*ISBN:* 471978817	
- date: 1997	*Shelf*	*Year:* 1997
Subject: Curing and Photopolymerization Processes - Coating Processes -		*Price:* $121.50
Desc: 219 p, 6.8 x 9 Hardcover		

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235 .	Coating processes
612 .	Curing and Photopolymerization Processes
627 .	Experimental Design and Analysis

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Simple QC Testing on Formulated Products
Evaluation of Cure (Simple Methods)
Properties of Cured Films and Inks
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Reviews - Synopsis - Dust Jacket

This volume offers a veritable guidebook to the various test methods and analytical techniques used to evaluate radiation curable coating systems. It includes in-depth descriptions of simple lab methods such as stain and solvent resistance, hardness, and abrasion resistance, as well as more sophisticated and costly characterization techniques, including HPLC, GC, DSC, DMA, dilatometry, evaporative rate analysis, and more.From the Introduction: "...The tests used quality control laboratories must be short term tests. Once a batch is produced it should not be left in stock for any longer than necessary. Most tests are simple and generally do not require sophisticated instruments, however they yield results which are quantitative and reproducible. Hence they can ensure that the properties of the product leaving the factory are within the limits agreed upon by both supplier and customer...As the complexity of analytical instruments increases the turn around time for samples decreases, with the result that spectroscopic, chromatograhic and thermal methods can be used for quality control provided the correct degree of training is given to the technologists who are to use them..."Target Audience: Chemists; quality control and product development technologists; and students concerned with with energy cured coating systems.

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Title	Location	Edition / Series / Misc.

1188 **Textile Coloration and Finishing**

Author: Warren S. Perkins
Publish.: Carolina Academic Press
- place:
- date: 1996
Subject: Textiles and Nonwovens - Color Theory, Testing, and Analysis
Desc: 248 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 890898855
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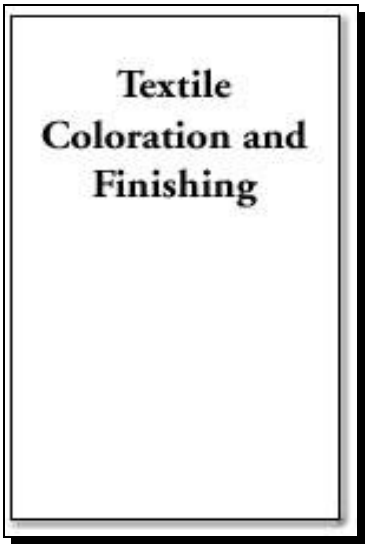
Edition:
Series:
Year: 1996
Price: $45.00



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Reviews - Synopsis - Dust Jacket

Textile Coloration and Finishing
basic chemical and physical principles of bleaching, dyeing, and finishing of textile materials — the area of textile manufacturing traditionally referred to as “wet processing.” It also introduces the broad range of dyes and chemicals used in textile wet processing and the basic concepts of color and color measurement. The material is presented in such a way that relatively inexperienced readers will be able to readily digest the information, while allowing those with an understanding of inorganic and organic chemistry to apply this knowledge, and gain even deeper insight.Target Audience: Students in introductory processing textile
courses; also ideal for employees new to the textiles industry, or personnel employed by chemical, machinery, and other suppliers.

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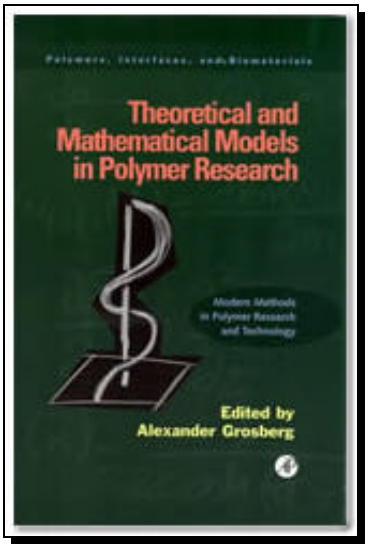
Title	Location	Edition / Series / Misc.

1171 **Theoretical and Mathematical Models in Polymer Research: Modern Methods in Polymer Rese**

Author: Alexander Grosberg, ed.
Publish.: Academic Press
- place:
- date: 1998
Subject: Polymer Characterization - Polymer Science
Desc: 298 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 123041406
Shelf

Edition:
Series:
Year: 1998
Price: $58.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization

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Statistical Mechanics of Semiflexible Chains: A Mean Field Variational Approach
Polymer Adsorption: Mean Field Theory and Ground State Dominance Approximation
Replica Field Theory Methods in Physics of Polymer Networks
Winding Angle Distributions for Directed Polymers
Bulk and Interfacial Polymer Reaction Kinetics
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Reviews - Synopsis - Dust Jacket

Polymers play a key role in the medical, pharmaceutical, chemical, and agricultural industries. Over the past two decades, there has been a dramatic increase in our understanding of polymers. With many more uses and applications of polymers expected in the near future now is a good time to review and summarize the state of the art of modern polymer theories.
discusses topics such as polymer adsorption, polymer reaction kinetics, topological constraints, and mean field models, theories, and solutions.From the Preface: "...[W]ith the astonishing variety of both traditional and non-traditional subjects, polymer science in general and polymer theory in particular is mainly concentrated on underlying general concepts, physical insights, and methods. This is why this book is concentrated on methods...This book is supposed to be an advanced supplement to allow an interested reader to learn of the new and developing methods in theoretical polymer science..."Target Audience: Materials scientists, chemists, chemical engineers, biotechnologists, pharmacologists, and others concerned with the fundamental concepts of, and models used in, polymer research.

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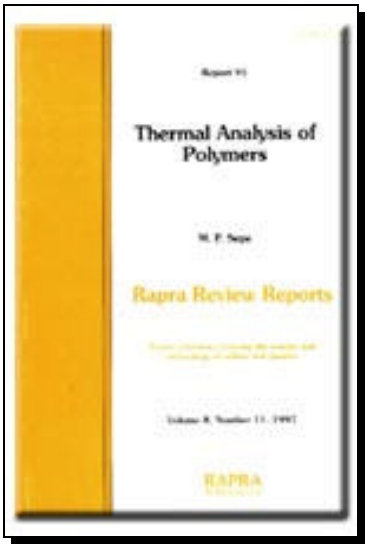
Title	Location	Edition / Series / Misc.

1066 **Thermal Analysis of Polymers (Rapra Review Report 95)**

Author: M.P. Sepe
Publish.: Rapra
- place:
- date: 1995
Subject: Polymer Characterization - Polymer Science
Desc: 119 p, 8.5 x 11 Paperback

Dynix:
Call No.:
ISBN: 1859571077
Shelf

Edition:
Series:
Year: 1995
Price: $121.50



Subjects

610 .	Polymer Science
613 .	Polymer Characterization

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Differential Photocalorimetry
Thermogravimetric Analysis (TGA)
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Thermal Conductivity Analysis (TCA)
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Reviews - Synopsis - Dust Jacket

A number of thermal analysis techniques, being able to measure and record structural changes unique to substances composed of large extended chain molecules, are particularly suited to the study of polymeric materials. For example, polymeric materials exhibit broad molecular weight distributions and viscoelastic behavior and may contain both amorphous and crystalline regions within the same matrix. The techniques which are most particularly relevant to polymer characterization are evaluated in this report.From the Introduction: “The term thermal analysis refers to a collection of analytical techniques designed to provide information about materials by observing structure and property changes that occur with changes in temperature...[T]hermal analysis is inclusive of several methods which have unique capabilities but which also overlap in their ability to provide a complete picture of a material's properties. This report will review the use of these techniques as they are used in the analysis of polymeric materials...”Rapra Review Reports contain a brief overview of the topic, followed by extensive references, with abstracts, from the Rapra database. They serve as condensed, valuable research tools for scientists, technologists, and other researchers working with rubber or plastics materials.

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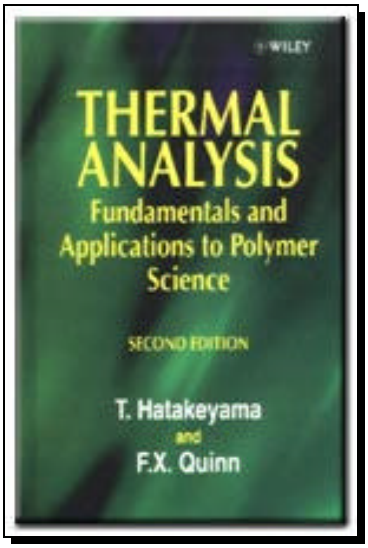
Title	Location	Edition / Series / Misc.

1539 **Thermal Analysis: Fundamentals and Applications to Polymer Science, 2nd Ed.**

Author: T. Hatakeyama and F.X. Quinn
Publish.: John Wiley & Sons
- place:
- date: 1999
Subject: Polymer Characterization - Materials Science
Desc: 190 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 471983624
Shelf

Edition:
Series:
Year: 1999
Price: $123.50



Subjects

609 .	Materials Science
613 .	Polymer Characterization

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Thermal Analysis
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Applications of Thermal Analysis
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Reviews - Synopsis - Dust Jacket

The updated and expanded second edition of this classic book continues to cover both theoretical and practical aspects of thermal analysis (TA) at an introductory level. It includes a more extensive discussion of temperature modulated thermal analysis, as well as new sections on rate-controlled TGA, OTTER, Specific Heat Spectroscopy, and a thoroughly revised section on X-Ray DSC.From the Preface: “The principle motivation behind the revision of this book resides in the burgeoning interest in temperature modulated thermal analysis methods...It is our belief that thermal analysis can be of great value in industrial applications, but in keeping with the spirit of this text the limitations as well as the advantages of thermal analysis are presented and discussed.”Target Audience: Polymer scientists, analytical chemists, industrial technologists, and students interested in thermal analysis and its application to polymer science.

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Thermoforming: A Plastics Processing Guide, 2nd Ed.

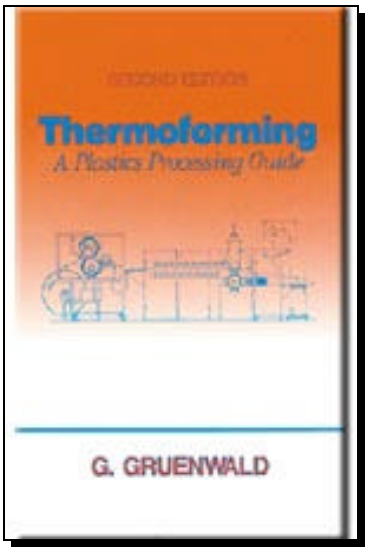
Title	Location	Edition / Series / Misc.

1113 **Thermoforming: A Plastics Processing Guide, 2nd Ed.**

Author: Geza Gruenwald
Publish.: Technomic
- place:
- date: 1998
Subject: Plastics Processing Technology - Packaging Technology - Polymer
Desc: 254 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1566766257
Shelf

Edition:
Series:
Year: 1998
Price: $108.50



Subjects

610 .	Polymer Science
628 .	Plastics Processing Technology
629 .	Packaging Technology

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Thermoforming Equipment
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Thermoforming Processes
Design Considerations
Related and Competed Forming Processes
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Reviews - Synopsis - Dust Jacket

This revised edition covers all significant aspects of thermoforming. It discusses basic principles, processing steps, equipment, materials and their properties in design considerations. Special attention is paid to recent advances in this process and the materials and applications for which it can be used.This text will be useful for polymer chemists who must fine-tune polymer blends for specific thermoforming applications. Engineers extruding and calendering film and sheet used in thermoforming will benefit from the elucidation of the intimate relationships between the processing parameters imposed in thermoforming and the finished products which result. Mold designers will find a comprehensive guide enabling them to avoid the less obvious pitfalls and dead-ends often encountered in the development of molds for complex parts.From the Preface: "...Thermoformed parts have become important in two main areas: (1) structural and functional parts and (2) low-cost, high-performance packaging applications. There is no doubt that significant advances in both areas are yet to come. This guide makes an effort to describe the thermoforming processing conditions with particular attention to behavioral changes in the plastic materials. The book portrays the types and operational sequences of standard equipment, the properties of normally used raw materials, and the peculiarities and advantages of major and minor forming processes. Also examined are cognate forming processes that compete with thermoforming..."Target Audience: Polymer chemists, mold designers, mecha engineers involved in polymer processing, and others concerned with thermoforming.

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Title	Location	Edition / Series / Misc.

1232 **Thin Films on Glass**

Author: Hans Bach and Dieter Krause, eds.
Publish.: Springer
- place:
- date: 1997
Subject: Materials Science - Coating Processes - Paints and Protective
Desc: 422 p, 6.2 x 9.3 Hardcover

Dynix:
Call No.:
ISBN: 3540585974
Shelf

Edition:
Series:
Year: 1997
Price: $171.50

Subjects

235 .	Coating processes
609 .	Materials Science
617 .	Paints and Protective Coatings

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Overview — Thin Films on Glass: an Established Technology
Design Strategies for Thin Film Optical Coatings
Coating Technologies
Properties and Characterization of Dielectric Thin Films
Developments at Schott: Selected Topics
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Reviews - Synopsis - Dust Jacket

This volume describes the development of active and passive thin films on glass at the Schott Group companies. Design strategies, the use of conventional and newly developed production technologies of thin films on glass, and the application of characterization methods for the structure of thin films and their properties are reported. Several examples illustrate how the best parameters may be selected.From the Preface: "...The main aim of describe the research, development, and scientific and technical background of thin films for selected products as well as the specific processes used at Schott. The book is conceived as a monograph. However, the indivdual chapters have been written by different or several authors, who are themselves active in the corresponding fields of research or product and process development or manufacturing..."Target Audience: Scientists and technologists concerned witl research and development of thin films.

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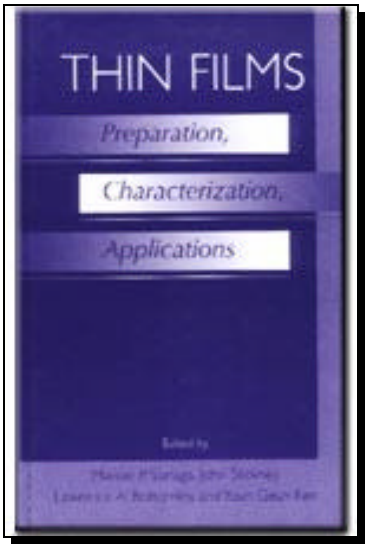
Title	Location	Edition / Series / Misc.

1474 **Thin Films: Preparation, Characterization, Applications**

Author:
Publish.: Plenum Press
- place:
- date: 2002
Subject: Surface Characterization and Analysis - Coating Processes
Desc: 378 p, 6.5 x 10 Hardcover

Dynix:
Call No.:
ISBN: 306473356
Shelf

Edition:
Series:
Year: 2002
Price: $163.50



Subjects

235 .	Coating processes
608 .	Surface Characterization and Analysis

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Reviews - Synopsis - Dust Jacket

This book discusses what thin films are, how they are prepared, how they are characterized, and what they are used for. While showcasing the diversity of thin films, it reveals the commonality among the work performed in a variety of areas. Topics covered range from highly-ordered metal adlayers on well-defined electrode surfaces to bio-organic films on non-metallic nanoparticles. The chapters in this volume are drawn from papers originally presented at the 221st National Meeting of the American Chemical Society, held in San Diego, CA.From the Preface: "...The first atomic layer in the growth of a film is frequently the most important, as it is the transition between the substrate and the depositing film. Subsequent growth can be epitaxial (layer by layer) or amorphous (isotropic in composition). In general they are somewhere in between, composed of crystallites. They can also be polymers, or liquids, or even a single monolayer attached to a surface, as in the case of self-assembled monolayers (SAM)..."Target Audience: Academic and industrial researchers, scientis and technologists interested in thin films; also upper-level students concerned with this topic.Partial Table of Contents:Highly Ordered Adsorbate Structures on Cu(111) in the Potential Regime of Hydrogen Evolution: An In Situ STM Study
Electrochemical Epitaxial Growth, Structure, and Electrocatalytic Properties of Noble Metal Thin Films on Au(111) and Au(100)
Electrochemical Properties of Pd/Pt(111) Adlayers
Temperature-Dependence of the Under-Potential Deposition of Ag on Pt(111) in H
Experimental and Theoretical Studies on Branched Electrodeposits in Thin-Layer Cells
Growth Kinetics of Multi-Layer CuEtX Films on Copper Piezoelectrodes
Self-Assembled Magnetic Nanoparticle Arrays by Anodization and Electrodeposition
Ultrathin Film Electrodeposition of Conjugated Polymers on Conducting Surfaces: A Precursor Polymer and Surface Grafting Approach
Self-Assembled Monolayers as Models for Polymeric Interfaces
Structure and Electronic Properties of Self-Assembled Macrocycle and Polymer Multilayers
Preparation of Thin-Film Alumina for Catalytic Activity Studies
Solid State
Thin Films: Structural Changes During Annealing
AFM Imaging of Liquid Structures: From Droplet Profiles to Molecular Interactions
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Total Production Maintenance: A Guide for the Printing Industry, 2nd Ed.

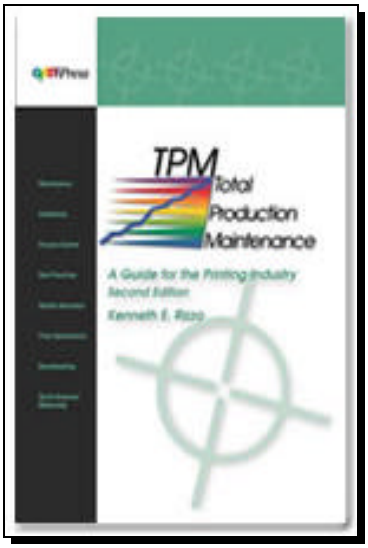
Title	Location	Edition / Series / Misc.

1200 **Total Production Maintenance: A Guide for the Printing Industry, 2nd Ed.**

Author: Kenneth E. Rizzo
Publish.: GATF
- place:
- date: 2001
Subject: Printing Technology - QA/QC, Statistics, and Testing
Desc: 310 p, 7.5 x 10 Hardcover

Dynix:
Call No.:
ISBN: 88362298
Shelf

Edition:
Series:
Year: 2001
Price: $58.50



Subjects

607 .	QA/QC, Statistics, and Testing
624 .	Printing Technology

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Total Productive Maintenance
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Guidelines for GATF TPM Registry Audit Program
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Reviews - Synopsis - Dust Jacket

This revised and expanded edition of
Guide for the Printing Industry
checklists and other resources, to help printers implement a formal
program for achieving optimum equipment effectiveness, resulting in
reduced downtime and maintenance costs while accelerating plant production
throughput. It proposes a series of common-sense measurement, operational,
and continuous improvement systems designed to optimize the entire graphic
arts production process, from prepress to shipping. Access to an ftp site
containing maintenance, calibration, and process control checklists which
can be customized for job planning and design, plate inspection,
maintenance requests, etc., is included.From the Preface: "...Having brand-new equipment and the best materials
that money can buy are no guarantee that a printing company will produce a
consistently high-quality product. To help the printer ensure production
of quality jobs and meeting customer expectations, there must be a series
of operational systems in place..."Target Audience: Maintenance, production, quality, and process control
personnel; operations, plant, and engineering managers; pressmen;
consultants; and others concerned with systematic maintenance in the
printing industry.

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Title	Location	Edition / Series / Misc.

1406 **Toxicology of Solvents**

Author: Maeve McParland and Nicola Bates, eds.
Publish.: Rapra
- place:
- date: 2002
Subject: Health. Safety. and the Environment - Inks and Coatings - Paints and
Desc: 430 p, 8.3 x 11.7 Hardcover

Dynix:
Call No.:
ISBN: 1859572960
Shelf

Edition:
Series:
Year: 2002
Price: $183.50

Subjects

603 .	Inks and Coatings
617 .	Paints and Protective Coatings
623 .	Health, Safety, and the Environment

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Glycol Ethers and Esters
Hexane/n-Hexane
Isopropanol
Methanol
Methylene Chloride
Methyl n-Butyl Ketone (MnBK)
Methyl Ethyl Ketone (MEK)
Methyl Isobutyl Ketone (MIBK)
N-Methyl-2-Pyrrolidone (NMP)
Tetrachloroethylene
Toluene
1,1,1,-Trichloroethane (1,1,1-TCE)
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Reviews - Synopsis - Dust Jacket

Solvents have been the cause of occupational health problems for as long as they have been used — workers have been exposed through skin contact, by breathing vapors and, in extreme cases, by ingestion. This book examines the clinical consequences of exposure to different solvents, with a strong focus on the workplace.In of material from key medical and toxicological libraries, books, databases and their own case studies, presenting a well-organized reference work on the key effects of solvent exposure. The information is summarized in ordered sections, including carcinogenicity, skin and eye exposure effects, inhalation effects, reproductive effects, and potential genetic effects. Both acute and chronic exposures are reviewed.From the Introduction: “The chapters in this book contain a overview of the toxicity of a number of individual solvents or, in the case of glycol ethers and their acetates, a group of solvents. The emphasis is on occupational exposure, although not exclusively so, as examples and information are drawn from other areas. Definitions of some of the terms used are given in the glossary. Each chapter has the same layout...”Target Audience: Medical professionals, indus health and hygiene specialists, and others concerned with the toxicology of solvents.

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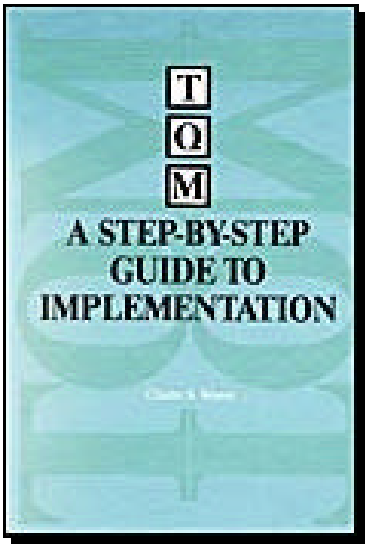
Title	Location	Edition / Series / Misc.

1582 **TQM: A Step-by-Step Guide to Implementation**

Author:
Publish.: ASQC
- place:
- date: 1991
Subject: Quality Assurance
Desc: 235 pages, hardbound.

Dynix:
Call No.:
ISBN: 0873891163
Shelf

Edition:
Series:
Year: 1991
Price: $45.00



Subjects

632 .	Quality Assurance

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Reviews - Synopsis - Dust Jacket

This book features Methodology for Generating Efficiency and Effective Measures, an easy-to-understand, systema process for implementing TQM.

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Trademark: Legal Care for Your Business & Product Name, 6th Ed.

Title	Location	Edition / Series / Misc.

1195 **Trademark: Legal Care for Your Business & Product Name, 6th Ed.**

Author: Stephen Elias
Publish.: Nolo Press
- place:
- date: 2003
Subject: Patents and Intellectual Property - General Reference
Desc: 340 p, 7 x 9 Paperback

Dynix:
Call No.:
ISBN: 873379454
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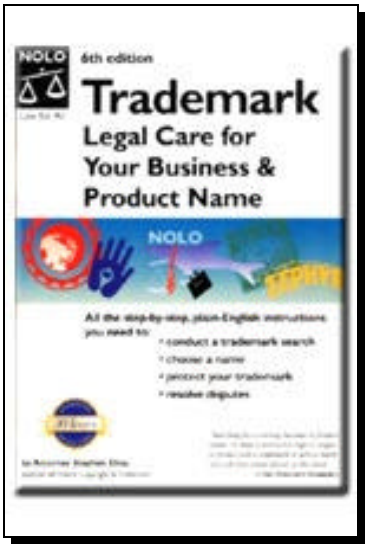
Edition:
Series:
Year: 2003
Price: $18.50



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619 .	Patents and Intellectual Property

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How to Evaluate the Results of Your Trademark Search
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Reviews - Synopsis - Dust Jacket

Trademarks — the names and symbols that distinguish your business and products in the marketplace — are important assets that you need to choose carefully and protect vigilantly, online and off. This comprehensive handbook describes how to choose distinctive marks that competitors can't copy; search for other marks that might have conflict with your own; register your mark with the U.S. Patent and Trademark Office; protect your marks from use by others; resolve trademark disputes outside the courtroom; create an Internet presence with an eye on trademark law; and more. The sixth edition includes new information on the Federal Dilution Act, a review of changes in the PTO's trademark programs, and the U.S.'s admission into the Madrid Protocol. It also features a new glossary of trademark terms. All necessary forms are included.From the Introduction: "...Evaluating whether one mark legally s on (infringes) another mark is not a science; it is an informed guessing game, an educated stab at how consumers will react to somewhat similar names, and how a judge in the future will rule on the issue. Although this book offers some sound guidelines for dealing with this question, it offers no guarantees. This is because infringement is decided on a case-by-case basis and clear-cut rules cannot be stated..."Target Audience: Small business owners, lawyers, arti website developers, and others concerned with trademark protection.

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Title	Location	Edition / Series / Misc.

1018 **Training in Plastics Technology, 2nd Ed.**

Author:
Publish.: Hanser Gardner
- place:
- date: 2000
Subject: General Reference - Health. Safetv. and the Environment
Desc: 196 p, 6.7 x 10.2 Paperback

Dynix:
Call No.:
ISBN: 1569902933
Shelf

Edition:
Series:
Year: 2000
Price: $45.00

Subjects

604 .	General Reference
623 .	Health, Safety, and the Environment

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Injection Molding
Fiber-Reinforced Plastics
Plastic Foams
Thermoforming
Welding Plastics
Machining Plastics
Adhesive Bonding of Plastics
Plastics Products and Plastics Waste
Recycling Plastics
Appendix I: Glossary of Plastics Technology
Appendix II: Selected Literature
Appendix III: Example of a Training Program for Plastics Processing Operators in the U.S.
Answers to Review Questions

Reviews - Synopsis - Dust Jacket

This recently updated text and workbook comprehensively covers all the major topics associated with plastics technology — from chemical fundamentals and processing methods to waste disposal and recycling. It is divided into educational units, each covering a distinct subject area. Students can arrange these units to fit their individual educational objectives.Each unit has key questions at the beginning and review questions at the end, providing a useful means for the reader to work through the lessons with specific objectives in mind. Thus, the Training in Plastics Technology understanding of plastics and plastics technology, it also facilitates independent, self-paced learning.From the Preface: "...In the United States, there has been increased interest in recent years in the post-high school training of technicians. However, little attention has been given to the system long established in Germany which could serve as a model. It is hoped that this book will find use in educational programs for technicians taught both within industry and in schools/programs dedicated to this purpose."Target Audience: Operators, technicians, and students of plasti technology.

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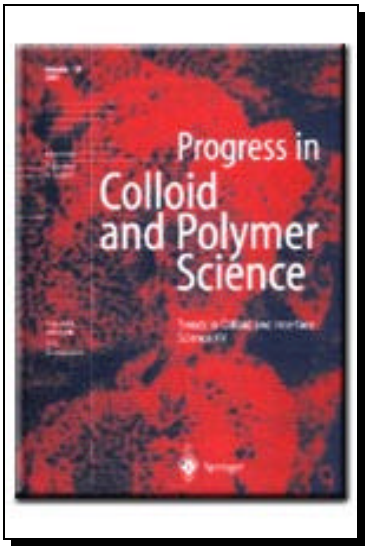
Title	Location	Edition / Series / Misc.

1432 **Trends in Colloid and Interface Science XV (Progress in Colloid and Polymer Science, Vol. 11**

Author: P.G. Koutsoukos, ed.
Publish.: Springer
- place:
- date: 2001
Subject: Colloids and Emulsions - Biopolymers and Medical Applications -
Desc: 310 p, 8.2 x 10.8 Hardcover

Dynix:
Call No.:
ISBN: 3540422412
Shelf

Edition:
Series:
Year: 2001
Price: $161.50



Subjects

600 .	Interfacial Engineering and Surface Science
621 .	Colloids and Emulsions
622 .	Biopolymers and Medical Applications

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Reviews - Synopsis - Dust Jacket

This volume —
consists of 61 papers originally presented at the 14th Conference of the European Colloid and Interface Society (ECIS 2000), which was held in September, 2000 in Patras, Greece. Of the nine thematic sections which comprise the volume, the most extensive coverage is granted to the topic of structure and dynamics at interfaces; there is also in-depth reporting on thin films, colloids in pharmaceutical and biological applications, and self-assembly of amphiphiles.From the Preface: "...The various contributions cover a very broad spectrum of interest both to researchers in the field of colloid and interface science and to the industry which draws largely from the advances of scientific knowledge in colloid and interface science (inks, adhesives, paints, foodstuff, pharmaceuticals, etc.). New advances in understanding at the molecular level of the interactions between polymers and surfactants using both modern and traditional techniques are presented..."Target Audience: Scientists, technologists and researchers in academia or industry who are concerned with advances in colloid and interface science and their practical applications.Brief Table of Contents:Molecular Interactions in Thin Films
Polymer—Surfactant Interactions
Structure and Dynamics at Interfaces
Biocolloids
Colloids in Pharmaceutical and Biological Applications
New Trends in Colloids and Interface Science Techniques
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Troubleshooting the Extrusion Process: A Systematic Approach to Solving Plastic Extrusion Problems

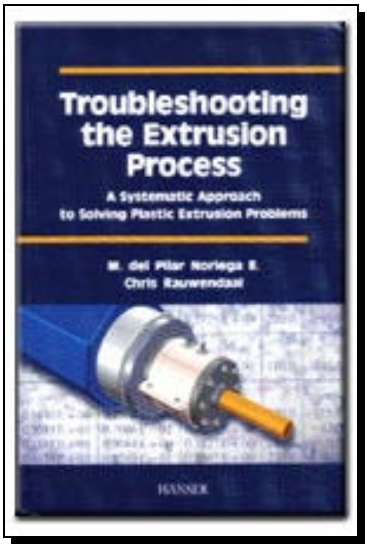
Title	Location	Edition / Series / Misc.

1373 **Troubleshooting the Extrusion Process: A Systematic Approach to Solving Plastic Extrusion**

Author: Maria del Pilar Noriega E. and Chris Rauwendaal
Publish.: Hanser Gardner
- place:
- date: 2001
Subject: Extrusion - Plastic Films - Plastics Processing Technology
Desc: 168 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569903204
Shelf

Edition:
Series:
Year: 2001
Price: $83.50



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301 .	Plastic films
598 .	Extrusion
628 .	Plastics Processing Technology

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Appendix 2: Machine Troubleshooting and Maintenance
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Reviews - Synopsis - Dust Jacket

Troubleshooting extrusion problems is one of the most challenging tasks for everyone involved in extrusion operations. It requires a good understanding of the extrusion process, knowledge of material properties, accurate and reliable instrumentation, good analytical tools, and the ability to adopt a systematic and logical approach.Troubleshooting the Extrusion Process available that will help the reader achieve these objectives — it discusses fundamental troubleshooting techniques and tools, investigates troubleshooting systematically, then presents over a dozen richly illustrated case studies of actual extrusion process challenges. Highly recommended.From the Preface: "...Despite the industrial importance of extrusion troubleshooting, no book currently deals exclusively with this topic. This book is an attempt to rectify this situation...The authors welcome feedback from readers, along with additional material on extrusion troubleshooting. This will allow more information to be incorporated into future editions of this book. The authors plan to add material to future editions with process-specific chapters covering such topics as sheet extrusion, blown film, pipe, wire coating, and so on."Target Audience: Process, design, mechanical, industrial, and engineers; technical and plant managers; manufacturing personnel; and others concerned with practical extrusion troubleshooting.

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Understanding Color Management

LASCT Holdings - maximum detail by Title U

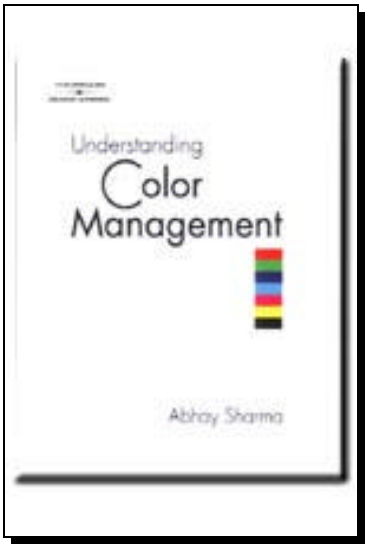
Title	Location	Edition / Series / Misc.

1524 **Understanding Color Management**

Author: Abhay Sharma
Publish.: Delmar
- place:
- date: 2004
Subject: Color Theory, Testing, and Analysis - Recommend this Site
Desc: 380 p, 7.4 x 9.2 Paperback

Dynix:
Call No.:
ISBN: 1401814476
Shelf

Edition:
Series:
Year: 2004
Price: $43.50



Subjects

618 .	Color Theory, Testing, and Analysis
715 .	Recommend this Site

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Introduction
Color and Vision
Color by Numbers
Measuring Instruments
Inside Profiles
Scanner and Camera Profiles
Monitor Profiles
Press and Printer Profiles
Apple Utilities
Color Management in Photoshop
Profile Quality
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Reviews - Synopsis - Dust Jacket

This book explains the basics of color science and color measurement, and provides in-depth look at the range of measuring instruments available today. ICC (International Color Consortium) profiles are discussed in great detail, and procedures for profiling scanners, digital cameras, computer monitors, inkjet printers, and printing presses are thoroughly described. A definitive guide to color management.From the Preface: "...Despite being around for a number of year color management is confusing to many users...The purpose of this book is to explain color management so that you can understand the principles and practical aspects of this exciting new technology. Color management is a way of controlling color in digital imaging using software, hardware, and some systematic procedures. Color management has a number of unique features and cost-saving tools to offer — however, we must understand the concepts and processes before we can truly utilize and benefit from this very promising way of working..."Target Audience: Intended for use in undergraduate and graduate programs, this book will also be valuable to digital photographers, production managers, print buyers, designers, prepress operators, printers, R&D personnel, trainers, and other professionals working with digital color.

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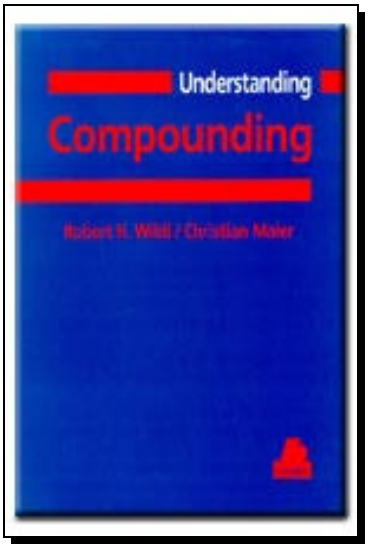
Title	Location	Edition / Series / Misc.

1115 **Understanding Compounding**

Author: Robert H. Wildi and Christian Maier
Publish.: Hanser Gardner
- place:
- date: 1998
Subject: Plastics Processing Technology - Extrusion - Polymer Science
Desc: 199 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1569902283
Shelf

Edition:
Series:
Year: 1998
Price: $36.50



Subjects

598 .	Extrusion
610 .	Polymer Science
628 .	Plastics Processing Technology

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What Is Compounding?
Pre-Compounding Operations
Compounder Types
Unit Operations
Post-Compounding Operations
Evaluation of Compounders
References
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Reviews - Synopsis - Dust Jacket

This is a mini-tutorial on compounding — the process of converting resins through polymerization processes into a product ready to be formed into a finished plastic part, profile, sheet, or film. Compounding includes reactive processing or modification of base polymers, the formation of polymer alloys, isolating polymers after polymerization processes, mixing of additives, stabilizers and colorants with the polymers, the production of masterbatches, and the like. Compounding processing.From the Preface: "...Compounding...normally involves mixing additives, stabilizers, and colorants with the resins. The production of color concentrates is also considered compounding. While the focus of compounding is on polymers, the same methods are used in the preparation of some foods, gun propellants, wood products, and high-solids content materials. This book is divided into six major sections. They cover a general overview of the compounding process, major compounding equipment, and major unit operations within a compounding process."Target Audience: Operators, managers, sales personnel, technicians, and other employees or students interested in a basic but broad overview of compounding.

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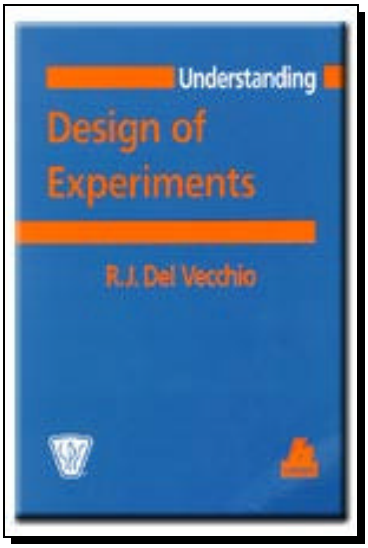
Title	Location	Edition / Series / Misc.

1079 **Understanding Design of Experiments: A Primer for Technologists**

Author: R.J. Del Vecchio
Publish.: Hanser Gardner
- place:
- date: 1997
Subject: Experimental Design and Analysis - QA/QC, Statistics, and Testing
Desc: 187 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1569902224
Shelf

Edition:
Series:
Year: 1997
Price: $36.50



Subjects

607 .	QA/QC, Statistics, and Testing
627 .	Experimental Design and Analysis

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What Are Designed Experiments?
Why and Where Should Designed Experiments Be Used?
How Hard Are Designed Experiments to Use?
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Basics of Experimental Design
Fractional Designs and Their Uses
Examples Using Eight-Run Design
Effective Use of Simple Designs
Application of Folded-Over Designs
Nomenclature and Design Variations
Estimation of Scatter
Sizing of Experiments
Development of an Experimental Strategy
Basics of Response Surface Methods
Analysis of Response Surface Method Experiments
Basics of Mixture Designs
Latin Squares and Their Derivatives
Basic Analysis of Variance
Full Use of Analysis of Variance
Taguchi's Contributions
Advanced Topics in Design of Experiments
Computer Programs for Design of Experiments
Glossary
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Reviews - Synopsis - Dust Jacket

This book explains the basics underlying designed experiments, supplies instructions on how to use several families of convenient designs, and gives an overview of assorted subtopics in the field, including response surface analysis and mix design. It leads the reader step-by-step through the basic concepts and practices of this methodology, using uncomplicated language and readily understandable examples to introduce background theory; this overview is included to enable the reader to optimally utilize the practical skills and techniques the book presents.From the Preface: "...The good news is that basic understanding of designed experiments is not really that difficult to learn and use. The more advanced concepts and mathematics are certainly challenging, but it is possible to tackle the great majority of commonly encountered problems with only a few types of designs; and those designs are usually of workable size, easy to understand, and generate data that can frequently be analyzed and interpreted using nothing more than a handheld calculator. Design of Experiments is a tremendously valuable tool for exploring new processes or gaining detailed comprehension of existing ones, and then optimizing those processes..."Target Audience: Specialists from lab technicians to factory troubleshooters to Ph.D. researchers requiring an easy and helpful guide to the design of experiments.

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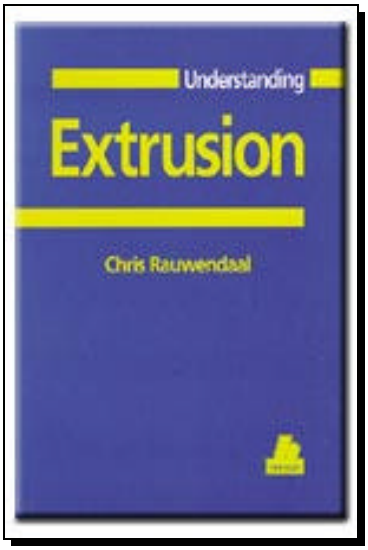
Title	Location	Edition / Series / Misc.

1139 **Understanding Extrusion**

Author: Chris Rauwendaal
Publish.: Hanser Gardner
- place:
- date: 1998
Subject: Extrusion - Composites, Laminates, and Fibers - Converting
Desc: 152 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 156990233
Shelf

Edition:
Series:
Year: 1998
Price: $36.50



Subjects

598 .	Extrusion
620 .	Converting Technology
625 .	Composites, Laminates, and Fibers

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Instrumentation and Control and Extrusion Lines
Complete Extrusion Lines
Plastics and Properties Important in Extrusion
How an Extruder Works
How to Run an Extruder
How to Troubleshoot Extrusion Processes
Appendix 1: Recommended List for Further Reading
Appendix 2: Extrusion Theory
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Reviews - Synopsis - Dust Jacket

This book makes information on extrusion accessible to people without an engineering degree. In addition to presenting a clear overview of the extrusion process, it also covers the latest developments in the field. Topics include machinery design and integration, raw material properties, theory of operation and practical operating tips, including troubleshooting. Highly recommended.From the Preface: “In 1986... published. It has enjoyed widespread acceptance; however, many people complained the book was too technical with too many equations. This book was written to address these concerns...There are no equations in the main body of the text; some of the most important equations are incorporated in an appendix at the end of the book. Another reason for writing this book is to present new developments in extrusion that have occurred since the first publication of [the earlier book]...”Target Audience: Extruder operators, supervisors, technicians and technical sales and service personnel.

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Title	Location	Edition / Series / Misc.

1093 **Understanding Plastics Packaging Technology**

Author: Susan E.M. Selke
Publish.: Hanser Gardner
- place:
- date: 1997
Subject: Packaging Technology - Plastic Films - Plastics Processing
Desc: 220 p, 6 x 9 Paperback

Dynix:
Call No.:
ISBN: 1569902348
Shelf

Edition:
Series:
Year: 1997
Price: $36.50

Subjects

301 .	Plastic films
628 .	Plastics Processing Technology
629 .	Packaging Technology

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Introduction to Plastics Packaging
Major Packaging Polymers
Extrusion, Films, and Flexible Packaging
Thermoformed Packages
Molded Packages
Foams, Other Cushioning Materials, and Distribution Packaging
Printing, Labeling, and Pigmenting
Barrier, Migration and Compatability
Environmental Considerations
Index

Reviews - Synopsis - Dust Jacket

Plastics continue to increase in importance as a packaging material, replacing such materials as glass, metal, wood, and paper. A variety of polymers are used to satisfy particular packaging needs, and many different plastics processing methods are employed to produce those packaging materials.Understanding Plastics Packaging Technology of plastics packaging technology in straightforward language. It describes package function, a variety of important polymers and processing techniques used in packaging, fabrication processes, cushioning, and decorating. It also discusses barrier properties, migration, shelf life, and environmental issues.From the Preface: “[This book] is designed to serve as a guide for those wishing to learn about plastics packaging, how it is selected, how it is formed, etc...I hope the reader will find this a valuable introduction to the vast field of plastics in packaging and will emerge not only with a greater understanding of this exciting field, but with a desire to go on and learn more about the many uses of plastics, and about packaging as a whole...”Target Audience: Students; those newly involved in sales, production, or use of plastics packaging; policy makers; and any other reader interested in obtaining a broad understanding of plastics packaging.

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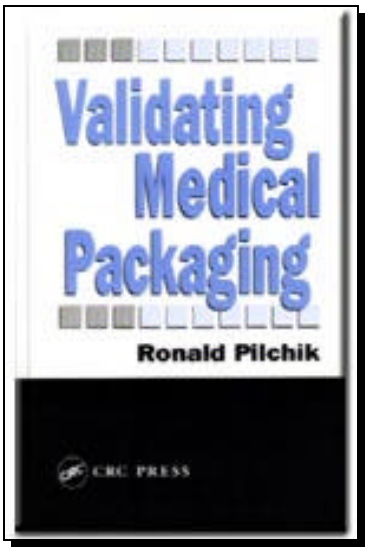
Title	Location	Edition / Series / Misc.

1486 **Validating Medical Packaging**

Author: Ronald Pilchik
Publish.: CRC Press
- place:
- date: 2003
Subject: Packaging Conformance and Specifications - Biopolymers and
Desc: 160 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 1566768071
Shelf

Edition:
Series:
Year: 2003
Price: $135.00



Subjects

607 .	QA/QC, Statistics, and Testing
622 .	Biopolymers and Medical Applications
630 .	Packaging Conformance and Specifications

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Package Design Validation
Package Process Validation
Putting It All Together — The Validation Process
Regulatory Activities
Appendix I: HACCP and Its Implications for Sterile Medical Device Packaging
Appendix II: Process Validation Guidance

Reviews - Synopsis - Dust Jacket

According to the FDA Quality System Regulations, manufacturers must ensure that “device packaging and shipping containers are designed and constructed to protect the device from alteration or damage during the cusotmary conditions of processing, storage, handling, and distribution.” As specific as this statement is, the FDA does not provide instructions on how to achieve compliance. This book demystifies the validation procedure for medical device packaging by providing specific examples and templates for creating and maintaining a validation file. It covers the latest developments in industry regulations, while providing a simplified explanation of how the process and regulations work.From the Introduction: "...Does the design of the package resu the protection sought after time? Will the sterile barrier created initially hold up during the rigors of processing, storage, handling, and distribution? We must rely on simulation to provide the means to answer these questions. Some simulations, such as compatiblity to sterilization processes, are easily designed because the sterilization process must be rigorously maintained and not altered...Storage, handling, and distribution are entirely different matters..."Target Audience: Every professional concerned with the validation of medical packaging.

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Van der Waals Complexes in Supersonic Beams: Laser Spectroscopy of Neutral-Neutral Interactions

Title	Location	Edition / Series / Misc.

1481 **Van der Waals Complexes in Supersonic Beams: Laser Spectroscopy of Neutral-Neutral Interа**

Author: Jaroslaw Koperski
Publish.: Wiley - VCH
- place:
- date: 2003
Subject: Interfacial Engineering and Surface Science - Recommend this Site
Desc: 234 p, 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 3527403841
Shelf

Edition:
Series:
Year: 2003
Price: $148.50

Subjects

600 .	Interfacial Engineering and Surface Science
715 .	Recommend this Site

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Introduction
Spectroscopical Characterization of Weakly Bound Complexes
Van der Waals Interaction
Electronic Structure of Molecular States
Determination of Potential Energy Curve in Different Regions of Internuclear Separation
Experimental Considerations
Interpretation of Experimental Results — Ways to Interatomic Potential
Summary for 2-Group Metal Dimers and Metal—Rare Gas Molecules
Summary for Homonuclear Rare Gas Dimers
General Conclusions
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Reviews - Synopsis - Dust Jacket

This book introduces the reader to the current experimental techniques of laser spectroscopy of van der Waals complexes produced in supersonic beams. It is unique in its style, subject and scope, and provides information on recent research not only for researchers focusing on molecular spectroscopy but also for those interested in the cooling of atoms and molecules.From the Abstract: “Laser spectroscopy of van der Waals diatoms produced in supersonic beams is a source of information on the ground- and excited-state interatomic potentials. The goal of this book is to review and comprehensively characterize neutral—neutral interactions between closed-shell atoms in MeRG and Me are 12-group (Zn, Cd, Hg) and rare gas atoms, respectively. The ground and number of excited states of the molecules are characterized over a broad range of internuclear separations...”Target Audience: Materials researchers and technologists interested in molecular spectroscopy and van der Waals complexes in supersonic beams.

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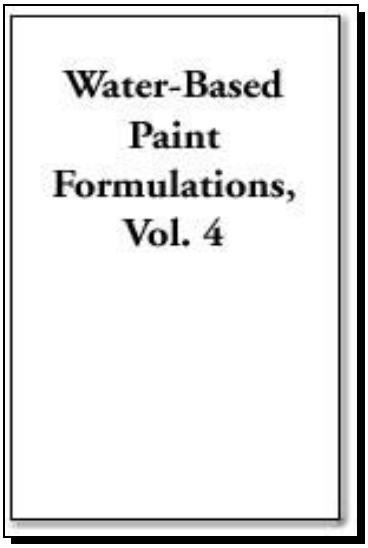
Title	Location	Edition / Series / Misc.

1239 **Water-Based Paint Formulations, Vol. 4**

Author: Ernest W. Flick
Publish.: Noyes Publications
- place:
- date: 1997
Subject: Paints and Protective Coatings - Recommend this Site
Desc: 268 p, 6 x 9 Hardcover

Dynix:
Call No.:
ISBN: 815514158
Shelf

Edition:
Series:
Year: 1997
Price: $78.50



Subjects

617 .	Paints and Protective Coatings
715 .	Recommend this Site

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Supplier Addresses

Reviews - Synopsis - Dust Jacket

This collection of 232 water-based trade and industrial formulations will be useful to those with extensive experience as well as those new to the field. The formulations included are new and different from those presented in the previous volumes. Each formulation includes, where available, information on properties such as viscosity, solids content, percent nonvolatiles, pigment volume concentration, density, pH, spatter, leveling, sag resistance, scrub stability, freeze-thaw stability, ease of application, gloss, cratering, brightness, opacity, water spotting, adhesion to chalk, brush clean-up, reflectance, and sheen.From the Preface: "...The data consist of selections of manufacturers' suggested formulations made at no cost to, nor influence from, the makers or distributors of these materials. The information given is presented as supplied; the manufacturers should be contacted if there are any questions. Only the most recent data supplied to us has been included. Any solvent contained is minimal...Each formula has been placed in the chapter where it is most applicable. The reader, if seeking a formula for a specific end-use, should check each chapter which could possibly apply..." Target Audience: Technical and managerial personnel in paint manufacturing companies and firms which supply raw materials or services to these companies.

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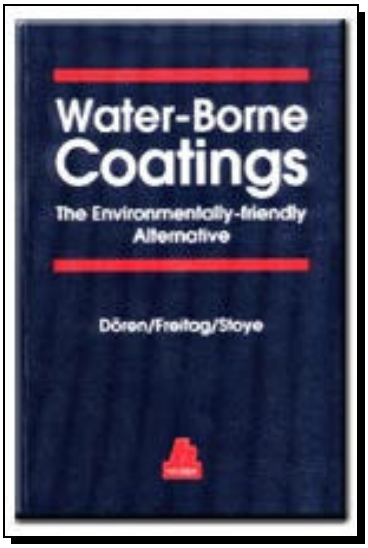
Title	Location	Edition / Series / Misc.

1546 **Water-Borne Coatings: The Environmentally-Friendly Alternative**

Author: Klaus Doren, Werner Freitag, and Dieter Stoye
Publish.: Hanser Gardner
- place:
- date: 1994
Subject: Paints and Protective Coatings
Desc: 201 p., 6.5 x 9.5 Hardcover

Dynix:
Call No.:
ISBN: 1569901392
Shelf

Edition:
Series:
Year: 1994
Price: $55.00



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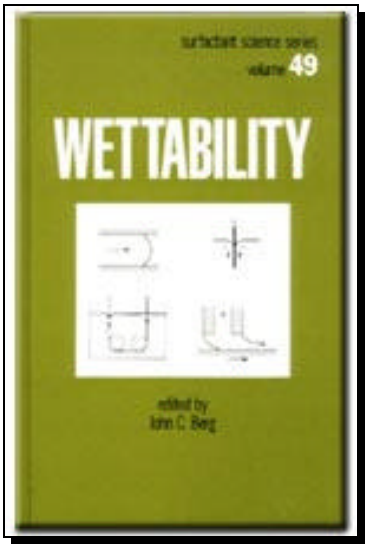
Reviews - Synopsis - Dust Jacket

Subjects

617 .	Paints and Protective Coatings

Title	Location	Edition / Series / Misc.
1022 **Wettability**		*Edition:*
Author: John C. Berg, ed.	*Dynix:*	*Series:*
Publish.: Marcel Dekker	*Call No.:*	
- place:	*ISBN:* 824790464	
- date: 1993	*Shelf*	*Year:* 1993
Subject: Surface Characterization and Analysis - Colloids and Emulsions -		*Price:* $208.50
Desc: 451 p, 6 x 9 Hardcover		
Chemistry		



Subjects

600 .	Interfacial Engineering and Surface Science
608 .	Surface Characterization and Analysis
621 .	Colloids and Emulsions

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Dynamic Contact Angles and Wetting Kinetics
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Reviews - Synopsis - Dust Jacket

This outstanding reference summarizes advances in the understanding of intermolecular surface dynamics and the importance of wetting in processes and products. It addresses the underlying theory as well as practical experimental techniques, including contact angle testing (goniometry), and details the special considerations required for wettability in multi-component systems.
over 850 literature citations.From the Preface: “Wettability refers to the response evinced when a liquid is brought into contact with a hard surface initially in contact with a gas or another liquid. Many possibilities exist. The liquid may move out over the solid, displacing the original fluid, and finally coming to a halt when the angle between the liquid—fluid and solid—liquid interfaces reaches a certain value, a contact angle. On the other hand, the liquid may spread without limit, displacing the original fluid from the entire solid surface available...”Target Audience: Physical, surface, and colloid chemists; chemical and mechanical engineers and bioengineers; materials scientists; physicists; and upper-level and graduate students in these disciplines.

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Title	Location	Edition / Series / Misc.

1183 **What the Printer Should Know About Ink, 3rd Ed.**

Author: Nelson R. Eldred
Publish.: GATF
- place:
- date: 2001
Subject: Inks and Coatings - Printing Technology
Desc: 350 p, 7.5 x 10 Hardcover

Dynix:
Call No.:
ISBN: 88362284
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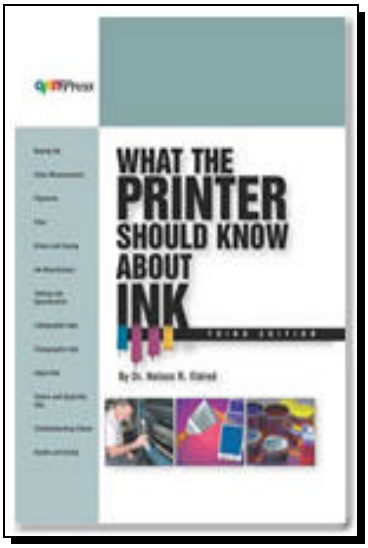
Edition:
Series:
Year: 2001
Price: $58.50



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603 .	Inks and Coatings
624 .	Printing Technology

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Energy-Curing Inks and Coatings
Ink Manufacture
Testing of Printing Ink
Buying of Printing Ink
Specification of Printing Inks
Health, Safety, and the Environment
IndexNote:
href="http://www.polysurfacesbookstore.com/pages/3324.html">What the Printer Should Know About Paper, 3rd Ed.
to this volume.

Reviews - Synopsis - Dust Jacket

Presented in a basic, easy-to-read format, this revised and expanded edition of a perennial bestseller introduces new chapters on energy cured inks and coatings, inkjet inks, and health, safety, and environmental issues. Overall coverage ranges from printing ink components to testing and specification to process-specific issues. Because printing inks must be formulated for specific types of jobs, attention must be paid to the printing process for which the ink is designed. Therefore, there is extended information on inks formulated for all the major processes, including 38 pages of troubleshooting charts. Very highly recommended.From the Text: "...The printer's first conce printing inks is to get the right ink for the job. Inks that are properly formulated for one job often cause problems with another because they are not appropriate for the job at hand or because they have been altered during handling or running the job..."Target Audience: Students and printing industry managers, technicians, purchasing agents, and press operators.

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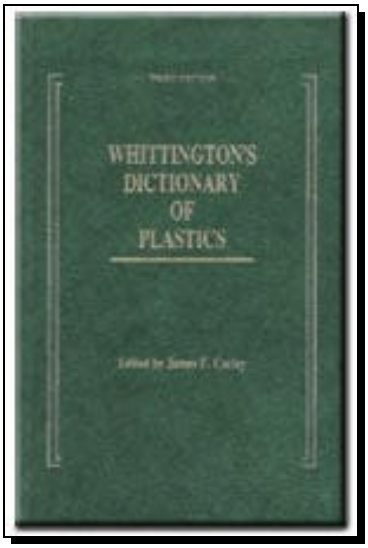
Whittington's Dictionary of Plastics, 3rd Ed.

Title	Location	Edition / Series / Misc.
1006 **Whittington's Dictionary of Plastics, 3rd Ed.**		*Edition:*
Author: James F. Carley, ed.	*Dynix:*	*Series:*
Publish.: Technomic	*Call No.:*	
- place:	*ISBN:* 1566760909	
- date: 1993	*Shelf*	*Year:* 1993
Subject: General Reference - Plastics Processing Technology		*Price:* $115.00
Desc: 575 p, 6 x 9 Hardcover		



Subjects

604 .	General Reference
628 .	Plastics Processing Technology

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Reviews - Synopsis - Dust Jacket

The revised and expanded third edition of this widely used reference to polymer science and plastics technology contains concise definitions and explanations of more than 5,200 terms. It contains hundreds of entries which are new to this edition, reflecting the growth and increased sophistication of the plastics industry.Whittington's Dictionary of Plastics, 3rd Ed. of plastics technology, including plastics and other polymeric materials; polymer science; chemicals (including monomers); catalysts; fillers; colorants; lubricants; flame retardants and other additives; processing and fabrication methods and machinery, including molds; analytical techniques; flammability; toxicity; environmental aspects; applications; and more. In addition to coverage of all commercial plastics, definitions are given for other polymeric materials including adhesives, elastomers, films, foams, coatings, and fibers.From the Preface: "...This edition has been strengthened in the areas of processing, rheology, plastics properties, and materials tests...While this work is called a dictionary, we have filled out many definitions beyond the concise definitions typical of the conventional dictionary to provide greater breadth and depth of insight, yet have stopped well short of what one would find in an encyclopedia of much greater size. Wherever possible, we have tried to use simple language understandable to students and workers without technical education..."Target Audience: Any practicing professional or student — at any level — involved in the plastics industry.

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Wiley's English-Spanish/Spanish-English Chemistry Dictionary: Diccionario de Quimica Ingles-Espanol, Espanol-

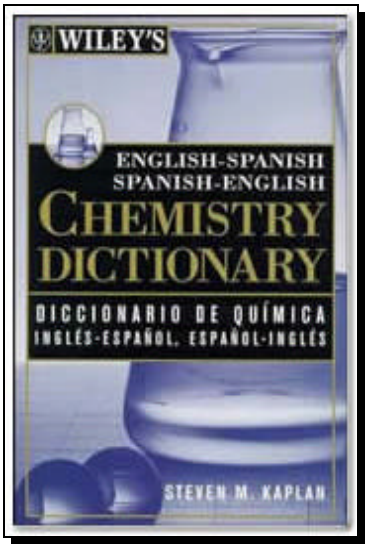
Title	Location	Edition / Series / Misc.

1110 **Wiley's English-Spanish/Spanish-English Chemistry Dictionary: Diccionario de Quimica Ingle**

Author: Steven M. Kaplan
Publish.: Wiley - Interscience
- place:
- date: 1998
Subject: General Reference - Recommend this Site
Desc: 537 p, 7 x 10 Paperback

Dynix:
Call No.:
ISBN: 471249238
Shelf

Edition:
Series:
Year: 1998
Price: $53.50



Subjects

604 .	General Reference
715 .	Recommend this Site

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Reviews - Synopsis - Dust Jacket

This comprehensive bilingual dictionary provides a ready reference to over 40,000 essential terms and phrases used in the chemistry literature. Its quick, user-friendly format means that you won't waste valuable research time leafing back and forth in search of the appropriate entry. In addition to complete chmical names, this dictionary also includes equivalents for all major prefixes and suffixes. The first half of the book lists approximately 20,000 entries alphabetically in English; the second half lists roughly the same number in Spanish.From the Preface: "...Throughout the world, over 350 million people
speak Spanish and over 450 million speak English. Most of them live in America. Over the Internet, dozens of countries are providing a massive amount of information concerning chemistry. This has further increased the need for precise communication between users of chemical terminology in the two languages..."Target Audience: Anyone in chemical research, manufacturing, marketing, and other activities who require a bilingual understanding of terms used in the chemistry literature; an excellent resource for students and translators.

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Table of Contents for Commerce Library LASCT Index by subject

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A thru R	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Additives for Plastics Handbook, 2nd Ed.	John Murphy	Elsevier	2001		1856173704				494 p, 6.1 x 9.2 Hardcover
	Atlas of Plastics Additives: Analysis by Spectrometric Method	Dietrich O. Hummel	Springer	2002		3540424148				544 p, 8.2 x 10.8 Hardcover
	Binder Migration in Paper and Paperboard Coatings	Michael J. Whalen-Shaw, ed.	TAPPI Press	1993		898522706				140 p, 8.5 x 11 Paperback
	Chemisty and Technology of Water Based Inks	Patrick Laden, ed.	Blackie Academic &	1997		75140165				359 p, 6 x 9 Hardcover
	Effect of UV Light and Weather on Plastics and Elastomers	Plastics Design Library Stal	Plastics Design Library	1994		1884207111				491 p, 8.5 x 11 Hardcover
	Elastomer Processing: Formulas and Tables	Werner Kleeman and Kurt Weber	Hanser Gardner	1998		1569902658				214 p, 6 x 9 Paperback
	Fillers and Filled Polymers (Macromolecular Symposia 169)	Jean-Francois Gerard, ed.	Wiley - VCH	2001		3527303316				348 p, 6 x 9 Hardcover
	Handbook of Fiber Finish Technology	Philip E. Slade	Marcel Dekker	1998		824700481				534 p, 6 x 9 Hardcover
	Handbook of Fillers, 2nd Ed.	George Wypych	ChemTec Publishing	1999		1884207693				910 p, 6.5 x 9.3 Hardcover
	Handbook of Polyolefins, 2nd Ed.	Cornelia Vasile, ed.	Marcel Dekker	2000		824786033				1030 p, 8.5 x 11 Hardcover
	Handbook of Polyvinyl Choloride Formulating	Edward J. Wickson, ed.	Wiley - Interscience	1993		471601829				947 p, 7 x 10 Hardcover
	NMR Spectra of Polymers and Polymer Additives	Anita J. Brandolini and Deborah D. Hills	Marcel Dekker	2000		824789709				640 p, 8.5 x 11 Hardcover
	Paper Coating Additives		TAPPI Press	1995		898520614				150 p, 7 x 10 Hardcover
	Particulate Fillers for Polymers (Rapra Review Report 141)	R.N. Rothon	Rapra	2002		185957310				160 p, 8.2 x 11.5 Paperback
	Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)	A.S. Wilson	Rapra	1995		1859570614				108 p, 8.5 x 11 Paperback
	Plastics Additives Handbook, 5th Ed.	Hans Zweifel, ed.	Hanser Gardner	2001		156990295				1184 p, 5.7 x 8.2 Hardcover
	Plastics Additives, 3rd Ed. [Vol 2: An Industry Guide]	Ernest W. Flick	Noyes Publications	2001		815514727				270 p, 6 x 9 Hardcover
	Plastics Additives, 3rd Ed. [Vol 3: An Industry Guide]	Ernest W. Flick	Noyes Publications	2001		815514700				160 p, 6 x 9 Hardcover
	Plastics Additives: An A - Z Reference	Geoffrey Pritchard, ed.	Chapman & Hall	1998		41272720				656 p, 6 x 9 Hardcover
	Polymer Modifiers and Additives	John T. Lutz, Jr. and Richard F. Grossman, eds	Marcel Dekker	2001		824799496				528 p, 6 x 9 Hardcover
	Polymeric Compatibilizers: Uses and Benefits in Polymer Ble	Sudhin Datta and David J. Lohse	Hanser Gardner	1996		1569901945				550 p, 6.5 x 9.5 Hardcover
	Polyolefins 2000: The International Conference on Polyolefins		SPE	2001						768 p, 8.5 x 11 Paperback
	Polypropylene Handbook	Edward P. Moore, Jr., ed.	Hanser Gardner	1996		1569902089				439 p, 6.5 x 9.5 Hardcover
	Printing Ink and Overprint Varnish Formulations, 2nd Ed.	Ernest W. Flick	Noyes Publications	1999		815514409				144 p, 6 x 9 Hardcover
	Retention of Fines and Fillers During Papermaking	Jerome M. Gess, ed.	TAPPI Press	1998		898520665				372 p, 7 x 10 Hardcover

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R thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Rubber Formulary	Peter A. Ciullo and Normar Hewitt	Plastics Design Library	1999		815514344				765 p, 6 x 9 Hardcover
	Rubber Technology: Compounding and Testing for Performan	John S. Dick, ed.	Hanser Gardner	2001		156990278				592 p, 6.4 x 9.4 Hardcover
	Solvent-Free Adhesives (Rapra Review Report 101)	T.E. Rolando	Rapra	1997		1859571336				136 p, 8.5 x 11 Paperback
	Stabilisers for Polyolefins (Rapra Review Report 132)	C. Krohnke and F. Werner	Rapra	2001		1859572855				136 p, 8.3 x 11.5 Paperback
	Surface Application of Paper Chemicals	James Brander and Ian Thorn, eds.	Blackie Academic &	1997		751403709				288 p, 6 x 9 Hardcover
	Surface Coatings: Science and Technology, 2nd Ed.	Swaraj Paul	John Wiley & Sons	1996		471958182				946 p, 6 x 9 Hardcover
	Surface Phenomena and Additives in Water-Based Coatings and Printing Technology	Mahendra K. Sharma, ed.	Plenum Press	1991		306441039				320 p, 6.5 x 9.8 Hardcover
	Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology	Mahendra K. Sharma and F.J. Micale, eds.	Plenum Press	1991		306437244				343 p, 6.5 x 9.8 Hardcover
	Surface Phenomena and Latexes in Waterborne Coatings and Printing Techonology	Mahendra K. Sharma, ed.	Plenum Press	1995		306451069				240 p, 6.5 x 9.8 Hardcover
	Synthetic Coating Adhesives	Alan K. Macnair, ed.	TAPPI Press	1998		898523494				66 p, 8.5 x 11 Paperback

35 listings in Additives

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2 thru C Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
2000 TAPPI Polymers, Laminations & Coatings Conference Proceedings		TAPPI Press	2000		898529700				1420 p, 8.5 x 11 Paperback
Acid-Base Interactions: Relevance to Adhesion Science and Technology	K.L. Mittal and H.R. Anderson, Jr., eds.	VSP	1991		9067641359				400 p, 6.2 x 9.4 Hardcover
Acid-Base Interactions: Relevance to Adhesion Science and Technology, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643254				636 p, 6.6 x 9.8 Hardcover
Adhesion and Adhesives Technology: An Introduction, 2nd Ec	Alphonsus V. Pocius	Hanser Gardner	2002		1569903190				332 p, 6.5 x 9 Hardcover
Adhesion Aspects of Thin Films, Vol. 1	K.L. Mittal, ed.	VSP	2001		9067643386				280 p, 6.2 x 9.4 Paperback
Adhesion Measurement of Films and Coatings	K.L. Mittal, ed.	VSP	1995		9067641820				466 p, 6.2 x 9.4 Hardcover
Adhesion Measurement of Films and Coatings, Vol. 2	K.L. Mittal, ed.	VSP	2001		9067643378				364 p, 6.2 x 9.4 Paperback
Adhesion Science	John Comyn	Royal Society of Chemis	1997		854045430				160 p, 5.5 x 8.5 Paperback
Adhesion Science and Engineering: Vol. 1 - The Mechanics of Adhesion; Vol. 2 - Surfaces, Chemistry and Applications		Elsevier	2002		444511407				2020 p, 6.5 x 9.5 Hardcover
Adhesive Bonding	Lieng-Huang Lee, ed.	Plenum Press	1991		306434717				496 p, 6.5 x 9.7 Hardcover
Adhesive Joints: Formation, Characteristics and Testing, Vol.	K.L. Mittal, ed.	VSP	2002		9067643718				408 p, 6.2 x 9.4 Hardcover
Advances in Pressure Sensitive Adhesive Technology 1		Satas & Associates	1992						229 p, 6 x 9 Hardcover
Advances in Pressure Sensitive Adhesive Technology 2	Donatas Satas, ed.	Satas & Associates	1995		963799312				230 p, 6 x 9 Hardcover
Advances in Pressure Sensitive Adhesive Technology 3	Donatas Satas, ed.	Satas & Associates	1999		963799320				240 p, 6 x 9 Hardcover
Analysis and Deformulation of Polymeric Materials: Paints, Plastics, Adhesives, and Inks	Jan W. Gooch	Plenum Press	1997		306455412				352 p, 6 x 9 Hardcover
Analysis and Design of Structural Bonded Joints	Liyong Tong and Grant P. Steven	Kluwer Academic	1999		792384946				302 p, 6.5 x 9.5 Hardcover
Application of Textiles in Rubber	David B. Wootton	Rapra	2001		1859572774				256 p, 7.2 x 9.7 Hardcover
Applications of Synthetic Resin Latices [Vol. 3: Latices in Diverse Applications]	Henry Warson and C.A. Finch	John Wiley & Sons	2001		471954624				544 p, 6 x 9 Hardcover
Chemistry & Technology of UV & EB Formulation for Coating Inks & Paints, Vol. 5: Speciality Finishes	P.K.T. Oldring, ed.	Wiley - SITA Technology	1997		471978809				272 p, 6.5 x 9 Hardcover
Chemistry and Technology of Isocyanates	Henri Ulrich	John Wiley & Sons	1996		471963712				502 p, 6 x 9 Hardcover
Contact Angle, Wettability and Adhesion, Vol. 2	K.L. Mittal, ed.	VSP	2002		906764370				572 p, 6.2 x 9.4 Hardcover
Contact, Adhesion, and Rupture of Elastic Solids	Daniel Maugis	Springer	2000		3540661131				430 p, 6.1 x 9.3 Hardcover
Corrugated Adhesives Preparation, 5th Ed.	Craig E. Nordquist, ed.	TAPPI Press	2001		1930657765				70 p, 8.5 x 11 Paperback
Corrugator	A. Howard Bessen	Jelmar Publishing	1999		1885067178				203 p, 8.5 x 11 Hardcover

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D thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Development and Manufacture of Pressure-Sensitive Products	Istvan Benedek	Marcel Dekker	1999		824702069				692 p, 6 x 9 Hardcover
	Drops and Bubbles in Interfacial Research	D. Mobius and R. Miller, eds.	Elsevier	1998		44482894				726 p, 6.5 x 9.5 Hardcover
	First International Congress on Adhesion Science and Technology: Festschrift in Honor of Dr. K.L. Mittal on the Occasion of his 50th Birthday	W.J. van Ooji and H.R. Anderson, Jr., eds.	VSP	1998		9067642916				948 p, 6.2 x 9.4 Hardcover
	Flexible Packaging - Adhesives, Coatings and Processes (Rapra Review Report 122)	T.E. Rolando	Rapra	2000		1859572316				114 p, 8.3 x 11.5 Paperback
	Fundamentals of Adhesion	Lieng-Huang Lee, ed.	Plenum Press	1991		306434709				472 p, 6.5 x 9.7 Hardcover
	Fundamentals of Adhesion and Interfaces	D.S. Rimai, L.P. DeMejo, and K.L. Mittal, eds.	VSP	1995		9067641979				304 p, 6.2 x 9.4 Hardcover
	Fundamentals of Interfacial Engineering	Robert J. Stokes and D. Fennell Evans	Wiley - VCH	1997		471186473				729 p, 7 x 10 Hardcover
	Handbook of Adhesive Technology, 2nd Ed.	A. Pizzi and K.L. Mittal, ed	Marcel Dekker	2003		824709861				1036 p, 7 x 10 Hardcover
	Handbook of Adhesives and Sealants	Edward M. Petrie	McGraw-Hill	2000		70498881				902 p, 6 x 9 Hardcover
	Handbook of Adhesives and Sealants in Construction	Joseph S. Amstock	McGraw-Hill	2001		7001616				656 p, 6 x 9 Hardcover
	Handbook of Physical Vapor Deposition (PVD) Processing: Fil Formation, Adhesion, Surface Preparation and Contamination Control	Donald H. Mattox	Noyes Publications	1998		815514220				948 p, 6 x 9 Hardcover
	Handbook of Plastics Joining: A Practical Guide	Plastics Design Library Stal	Plastics Design Library	1997		1884207170				485 p, 8.5 x 11 Hardcover
	Handbook of Pressure Sensitive Adhesive Technology, 3rd E	Donatas Satas, ed.	Satas & Associates	1999		963799339				1038 p, 6 x 9 Hardcover
	Handbook of Rubber Bonding	Bryan Crowther, ed.	Rapra	2001		1859571670				396 p, 7.2 x 9.7 Hardcover
	Handbook of Thermoset Plastics, 2nd Ed.	Sidney H. Goodman, ed.	Noyes Publications	1998		815514212				604 p, 6 x 9.3 Hardcover
	Metallized Plastics 5 & 6: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	1998		9067642908				448 p, 6.6 x 9.8 Hardcover
	Metallized Plastics 7: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	2001		9067643408				316 p, 6.2 x 9.4 Paperback
	Metallized Plastics: Fundamentals and Applications	K.L. Mittal, ed.	Marcel Dekker	1998		824799259				392 p, 6 x 9 Hardcover
	Molecular Adhesion and Its Applications: The Sticky Universe	Kevin Kendall	Plenum Press	2001		306465205				448 p, 6 x 9 Hardcover
	Particles on Surfaces 5 & 6: Detection, Adhesion and Remova	K.L. Mittal, ed.	VSP	1999		9067643122				362 p, 6.6 x 9.8 Hardcover
	Particles on Surfaces 7: Detection, Adhesion and Removal	K.L. Mittal, ed.	VSP	2002		9067643726				462 p, 6.2 x 9.4 Hardcover
	Photogeneration of Reactive Species for UV Curing	Cliff G. Roffey	John Wiley & Sons	1997		471941778				882 p, 6 x 9 Hardcover
	Plasma Surface Modification of Polymers: Relevance to Adhesion	M. Strobel, C.S. Lyons, an K.L. Mittal, eds.	VSP	1994		9067641642				300 p, 6.2 x 9.4 Hardcover

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P thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Polymer Dispersions and Their Industrial Applications	Dieter Urban and Koichi Takamura, eds.	Wiley - VCH	2002		3527302867				426 p, 6.7 x 9.4 Hardcover
	Polymer Interfaces and Emulsions	Kunio Esumi, ed.	Marcel Dekker	1999		824719751				582 p, 6 x 9 Hardcover
	Polymer Interfaces: Structure and Strength	Richard P. Wool	Hanser Gardner	1995		1569901333				494 p, 6.2 x 9 Hardcover
	Polymer Surface Modification: Relevance to Adhesion	K.L. Mittal, ed.	VSP	1996		9067642010				558 p, 6.2 x 9.4 Hardcover
	Polymer Surface Modification: Relevance to Adhesion, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643270				640 p, 6.6 x 9.8 Hardcover
	Pressure-Sensitive Adhesives Technology	Istvan Benedek and Luc J. Heymans	Marcel Dekker	1997		824797655				610 p, 6 x 9 Hardcover
	Pressure-Sensitive Formulation	Istvan Benedek	VSP	2000		9067643300				536 p, 6.6 x 9.8 Hardcover
	Quality Assurance in Adhesive Technology	EUREKA Project EU716	Abington Publications	1998		1855732599				168 p, 8.2 x 11.5 Paperback
	Radiation Curing (Rapra Review Report 136)	R.S. Davidson	Rapra	2001		185957288				128 p, 8.3 x 11.5 Paperback
	Recent Developments in Epoxy Resins (Rapra Review Repo 91)	I. Hamerton	Rapra	1995		1859570836				185 p, 8.5 x 11 Paperback
	Rubber Bonding 2001: Advances in the Bonding of Rubber to Various Substrates		Rapra	2001		1859572987				224 p, 8 x 11 Paperback
	Silanes and Other Coupling Agents, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643319				300 p, 6.6 x 9.8 Hardcover
	Soft Interfaces: The 1994 Dirac Memorial Lecture	Pierre Gilles de Gennes	Cambridge University Pr	1997		521564174				128 p, 5 x 7.2 Hardcover
	Solvent-Free Adhesives (Rapra Review Report 101)	T.E. Rolando	Rapra	1997		1859571336				136 p, 8.5 x 11 Paperback
	Structural Adhesive Joints in Engineering, 2nd Ed.	R.D. Adams, J. Comyn, and W.C. Wake	Chapman & Hall	1997		412709201				370 p, 6 x 9 Hardcover
	Surfactants in Polymers, Coatings, Inks, and Adhesives	David R. Karsa, ed.	Blackwell Publishing	2003		84932808				320 p, 6.1 x 9.2 Hardcover
	Synthetic Coating Adhesives	Alan K. Macnair, ed.	TAPPI Press	1998		898523494				66 p, 8.5 x 11 Paperback
	TAPPI 2002 - 2003 Test Methods		TAPPI Press	2002		1930657935				0 p, 8.5 x 11 Paperback

65 listings in Adhesives and Adhesion

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R thru R	Title	Author	Publisher - Location - Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Remedies for Common Paint Problems		R&H						22 cards.

1 listing in Application/Curing

A thru H	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Absorbable and Biodegradable Polymers	Shalaby W. Shalaby and Karen J.L. Burg	CRC Press	2003		849314844				296 p, 6.1 x 9.2 Hardcover
	Absorbent Technology	P.K. Chatterjee and B.S. Gupta, eds.	Elsevier	2002		444500006				498 p, 6.5 x 9.5 Hardcover
	Adsorption: Theory, Modeling, and Analysis	Jozsef Toth, ed.	Marcel Dekker	2002		824707478				890 p, 7 x 10 Hardcover
	Advances in Pressure Sensitive Adhesive Technology 2	Donatas Satas, ed.	Satas & Associates	1995		963799312				230 p, 6 x 9 Hardcover
	Biopolymers (Rapra Review Report 159)	R.M. Johnson, L.Y. Mwaikambo, and N. Tucke	Rapra	2003		1859573797				148 p, 8.2 x 11.5 Paperback
	Biopolymers at Interfaces, 2nd Ed.	Martin Malmsten, ed.	Marcel Dekker	2003		824708636				920 p, 7 x 10 Hardcover
	Colloidal Polymer Particles	J.W. Goodwin and R. Buscall, eds.	Academic Press	1995		122900456				347 p, 6 x 9 Hardcover
	Colorants for Non-Textile Applications	H.S. Freeman and A.T. Peters, eds.	Elsevier	2000		444828885				636 p, 6.5 x 9.5 Hardcover
	Cure Monitoring for Composites and Adhesives (Rapra Revie Report 164)	David R. Mulligan	Rapra	2003		1859573932				116 p, 8.2 x 11.5 Paperback
	Design Controls for the Medical Device Industry	Marie B. Teixeira and Richard Bradley	Marcel Dekker	2003		82470830				250 p, 6 x 9 Hardcover
	Diffusion in and Through Polymers: Principles and Application	W.R. Vieth	Hanser Gardner	1991		1569901066				336 p, Hardcover
	Drops and Bubbles in Interfacial Research	D. Mobius and R. Miller, eds.	Elsevier	1998		44482894				726 p, 6.5 x 9.5 Hardcover
	Emulsions, Foams, and Thin Films	K.L. Mittal and Promod Kumar, eds.	Marcel Dekker	2000		824703669				512 p, 6 x 9 Hardcover
	Foam and Foam Films: Theory, Experiment, Application	Dotchi Exerowa and Pyotr M. Kruglyakov	Elsevier	1998		444819223				795 p, 6.5 x 9.5 Hardcover
	Frontiers in Biomedical Polymer Applications, Vol. 1	Raphael M. Ottenbrite, ed.	Technomic	1998		1566765773				331 p, 6 x 9 Hardcover
	Guidelines for Laboratory Quality Auditing	Donald C. Singer and Ronald P. Upton	Marcel Dekker	1993		824787846				421 p, 6 x 9 Hardcover
	Handbook of Pressure Sensitive Adhesive Technology, 3rd E	Donatas Satas, ed.	Satas & Associates	1999		963799339				1038 p, 6 x 9 Hardcover
	Handbook of Surface and Interface Analysis: Methods for Problem-Solving	J.C. Riviere and S. Myhra eds.	Marcel Dekker	1998		824700805				995 p, 6 x 9 Hardcover
	Hydrophilic Polymer Coatings for Medical Devices: Structure/Properties, Development, Manufacture and Applications	Richard J. LaPorte	Technomic	1997		1566765048				198 p, 6 x 9 Paperback

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I thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Interfacial Phenomena and Bioproducts	John L. Brash and Peter W. Wojciechowski, eds.	Marcel Dekker	1996		824796519				521 p, 6 x 9 Hardcover
	Liquid Interfaces in Chemistry and Biology		Wiley - Interscience	1998		471148725				562 p, 6 x 9 Hardcover
	Medical Device Packaging Handbook	Max Sherman, ed.	Marcel Dekker	1998		824701992				410 p, 6 x 9 Hardcover
	Medical Device Reliability and Associated Areas	B.S. Dhillion	CRC Press	2000		849303125				256 p, 6 x 9 Hardcover
	Medical Plastics: Degradation Resistance & Failure Analysis	Robert C. Portnoy, ed.	Plastics Design Library	1998		188420760				220 p, 7 x 8.5 Hardcover
	Modern Techniques for Polymer Characterisation	R.A. Pethrick and J.V. Dawkins, eds.	John Wiley & Sons	1999		471960977				410 p, 6 x 9 Hardcover
	Nano-Surface Chemistry	Morton Rosoff, ed.	Marcel Dekker	2002		824702549				692 p, 7 x 10 Hardcover
	Organic Ion Radicals: Chemistry and Applications	Zory V. Todres	Marcel Dekker	2003		824708105				456 p, 7 x 10 Hardcover
	Physical Chemistry of Biological Interfaces	Adam Baszkin and Willem Norde, eds.	Marcel Dekker	2000		824775813				846 p, 7 x 10 Hardcover
	Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)		Kluwer Academic	1997		792348591				542 p, 6.5 x 9.5 Hardcover
	Polymer Interfaces: Structure and Strength	Richard P. Wool	Hanser Gardner	1995		1569901333				494 p, 6.2 x 9 Hardcover
	Polymer Sorption Phenomena (Macromolecular Symposia 14!		Wiley - VCH	1999		352729905				190 p, 6 x 9 Hardcover
	Polymer Surfaces and Interfaces II	W.J. Feast, H.S. Munro, and R.W. Richards, eds.	John Wiley & Sons	1993		471934569				314 p, 6 x 9 Hardcover
	Polymeric Biomaterials, 2nd Ed.	Severian Dumitriu, ed.	Marcel Dekker	2002		824705696				1184 p, 8.5 x 11 Hardcover
	Polyurethanes in Biomedical Applications		CRC Press	1998		849345170				286 p, 7 x 10 Hardcover
	Principles of Colloid and Surface Chemistry, 3rd Ed.	Paul C. Hiemenz and Raj Rajagopalan	Marcel Dekker	1997		824793978				670 p, 7 x 10 Hardcover
	Scanning Probe Microscopes: Applications in Science and Technology	K.S. Birdi	CRC Press	2003		849309301				328 p, 6.1 x 9.2 Hardcover
	Solubility and Solubilization in Aqueous Media	Samuel H. Yalkowsk	American Chemical Soci	1999		841235767				496 p, 6.1 x 9.2 Hardcover
	Surface Characterization of Advanced Polymers	Luigia Sabbatini and Pier Girogio Zambonin, eds.	Wiley - VCH	1993		3527285121				319 p, 6.5 x 9.5 Hardcover
	Surface Chemistry and Electrochemistry of Membranes	Torben Smith Sorensen, ed.	Marcel Dekker	1999		824719220				1030 p, 6 x 9 Hardcover
	Surface Modification of Polymeric Biomaterials	Buddy D. Ratner and Davic G. Castner, eds.	Plenum Press	1997		306455129				215 p, 6.5 x 10 Hardcover
	Surfactants and Polymers in Drug Delivery	Martin Malmsten	Marcel Dekker	2002		824708040				356 p, 6 x 9 Hardcover

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Commerce Library Index for: Biopolymers and Medical Applications

sorted by subject **B**

18-Jan-04 **Filter: Complete Shopping List**

T thru V	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Trends in Colloid and Interface Science XV (Progress in Colloi and Polymer Science, Vol. 118)	P.G. Koutsoukos, ed.	Springer	2001		3540422412				310 p, 8.2 x 10.8 Hardcover
	Validating Medical Packaging	Ronald Pilchik	CRC Press	2003		1566768071				160 p, 6 x 9 Hardcover

43 listings in Biopolymers and Medical Applications

2 thru H Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
2000 TAPPI Polymers, Laminations & Coatings Conference Proceedings		TAPPI Press	2000		898529700				1420 p, 8.5 x 11 Paperback
2001 TAPPI Polymers, Laminations & Coatings Conference Proceedings		TAPPI Press	2001		193065779				0 p, CD-ROM
2002 Troubleshooting Short Course for Extrusion Coating and Flexible Packaging Converters - Notes		TAPPI Press	2002		1930657226				466 p, 8.5 x 11 Paperback
Adhesion Aspects of Thin Films, Vol. 1	K.L. Mittal, ed.	VSP	2001		9067643386				280 p, 6.2 x 9.4 Paperback
Adhesion Measurement of Films and Coatings	K.L. Mittal, ed.	VSP	1995		9067641820				466 p, 6.2 x 9.4 Hardcover
Advances in Pressure Sensitive Adhesive Technology 1		Satas & Associates	1992						229 p, 6 x 9 Hardcover
Anilox Roll: Heart of the Flexo Process	Joseph P. Trungale	Jelmar Publishing	1997		1885067038				141 p, 8.5 x 11 Hardcover
Binder Migration in Paper and Paperboard Coatings	Michael J. Whalen-Shaw, ed.	TAPPI Press	1993		898522706				140 p, 8.5 x 11 Paperback
Coated and Laminated Textiles	Walter Fung	CRC Press	2002		849314487				416 p, 6 x 9 Hardcover
Coated Textiles: Principles and Applications	Ashish Kumar Sen	Technomic	2001		1587160234				246 p, 6 x 9 Hardcover
Coating Materials for Electronic Applications: Polymers, Processing, Reliability, Testing	James J. Licari	Noyes Publications	2003		815514921				550 p, 6 x 9 Hardcover
Coating Processes		TAPPI Press	1993		898520584				288 p, 8.5 x 11 Paperback
Critical Thinking in Converting: A Guide to Industrial Problem-Solving	David R. Roisum	TAPPI Press	2002		1930657773				274 p, 6.8 x 9.8 Paperback
Development and Manufacture of Pressure-Sensitive Products	Istvan Benedek	Marcel Dekker	1999		824702069				692 p, 6 x 9 Hardcover
Engineering Coatings - Design and Application, 2nd Ed.	Stan Grainger and Jane Blunt, eds.	William Andrew	1998		1884207685				331 p, 6.7 x 9.6 Hardcover
Extrusion Coating Manual, 4th Ed.	Thomas Bezigian, ed.	TAPPI Press	1999		898520673				331 p, 8.5 x 11 Hardcover
Flexible Packaging - Adhesives, Coatings and Processes (Rapra Review Report 122)	T.E. Rolando	Rapra	2000		1859572316				114 p, 8.3 x 11.5 Paperback
Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)	David G. Castner and David W. Grainger, eds.	American Chemical Soci	2001		841236232				256 p, 6 x 9 Hardcover
Handbook of Deposition Technologies for Films and Coatings: Science, Technology and Applications, 2nd Ed.	Rointan F. Bunshah, ed.	Noyes Publications	1994		815513372				888 p, 6 x 9 Hardcover
Handbook of Physical Vapor Deposition (PVD) Processing: Fil Formation, Adhesion, Surface Preparation and Contamination Control	Donald H. Mattox	Noyes Publications	1998		815514220				948 p, 6 x 9 Hardcover
Handbook of Pressure Sensitive Adhesive Technology, 3rd E	Donatas Satas, ed.	Satas & Associates	1999		963799339				1038 p, 6 x 9 Hardcover

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H thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.	Krishna Seshan, ed.	Noyes Publications	2002		815514425				658 p, 6 x 9 Hardcover
	Hydrophilic Polymer Coatings for Medical Devices: Structure/Properties, Development, Manufacture and Applications	Richard J. LaPorte	Technomic	1997		1566765048				198 p, 6 x 9 Paperback
	In-Mould Decoration of Plastics (Rapra Review Report 146)	J.C. Love and V. Goodshi	Rapra	2002		1859573282				128 p, 8.5 x 11 Paperback
	Liquid Film Coating: Scientific Principles and Their Technological Implications	Stephan F. Kistler and Peter M. Schweizer, eds.	Chapman & Hall	1997		412064812				795 p, 7.5 x 9.5 Hardcover
	Mechanics of Rollers	David R. Roisum	TAPPI Press	1996		898523133				317 p, 7 x 10 Paperback
	Mechanics of Web Handling	David R. Roisum	TAPPI Press	1998		89852346				233 p, 7 x 10 Paperback
	Metallization of Polymers 2	Edward Sacher, ed.	Plenum Press	2002		306472538				216 p, 6.5 x 9.7 Hardcover
	Metallized Plastics 5 & 6: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	1998		9067642908				448 p, 6.6 x 9.8 Hardcover
	Metallized Plastics 7: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	2001		9067643408				316 p, 6.2 x 9.4 Paperback
	Metallized Plastics: Fundamentals and Applications	K.L. Mittal, ed.	Marcel Dekker	1998		824799259				392 p, 6 x 9 Hardcover
	Modern Approaches to Wettability: Theory and Applications	Malcolm E. Schrader and George I. Loeb, eds.	Plenum Press	1992		306439859				474 p, 6.5 x 10 Hardcover
	Modern Coating & Drying Technology	Edward D. Cohen and Edgar B. Gutoff, eds.	Wiley - VCH	1992		471188069				330 p, 7 x 10 Hardcover
	Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)		Kluwer Academic	2000		792362667				392 p, 6.2 x 9.5 Paperback
	Photogeneration of Reactive Species for UV Curing	Cliff G. Roffey	John Wiley & Sons	1997		471941778				882 p, 6 x 9 Hardcover
	Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications	Jean-Pierre Fouassier	Hanser Gardner	1995		1569901465				388 p, 6.5 x 9.5 Hardcover
	Physical Vapor Deposition of Thin Films	John E. Mahan	Wiley - Interscience	2000		471330019				326 p, 6 x 9 Hardcover
	Pigments for Paper	Robert W. Hagemeyer, ed.	TAPPI Press	1997		898520649				271 p, 6 x 9 Hardcover
	Plastics Extrusion Technology, 2nd Ed.	Friedhelm Hensen	Hanser Gardner	1997		1569902259				674 p, 6.5 x 9.5 Hardcover
	Polymer Enhancement of Technical Textiles (Rapra Review Report 165)	Roy W. Buckley	Rapra	2003		1859573959				134 p, 8.2 x 11.5 Paperback
	Practical Design and Production of Optical Thin Films, 2nd Ed	Ronald R. Willey	Marcel Dekker	2002		824708490				560 p, 6 x 9 Hardcover
	Pressure-Sensitive Adhesives Technology	Istvan Benedek and Luc J. Heymans	Marcel Dekker	1997		824797655				610 p, 6 x 9 Hardcover
	Pressure-Sensitive Formulation	Istvan Benedek	VSP	2000		9067643300				536 p, 6.6 x 9.8 Hardcover

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Commerce Library Index for: Coating processes

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P thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Principles of Chemical Vapor Deposition: What's Going On Inside the Reactor?	Daniel M. Dobkin and Michael K. Zuraw, eds.	Kluwer Academic	2003		1402012489				288 p, 6.3 x 9.5 Hardcover
	Silanes and Other Coupling Agents, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643319				300 p, 6.6 x 9.8 Hardcover
	Society of Vacuum Coaters Technical Conference Proceeding 1991-2000 CD-ROM Edition	SVC Staff	Society of Vacuum Coate	2001		815514824				0 p, CD-ROM
	Solvent-Free Adhesives (Rapra Review Report 101)	T.E. Rolando	Rapra	1997		1859571336				136 p, 8.5 x 11 Paperback
	Starch and Starch Products in Surface Sizing and Paper Coati	Hans W. Maurer, ed.	TAPPI Press	2001		1930657560				182 p, 8.5 x 11 Paperback
	Surface Application of Paper Chemicals	James Brander and Ian Thorn, eds.	Blackie Academic &	1997		751403709				288 p, 6 x 9 Hardcover
	Surface Coatings: Science and Technology, 2nd Ed.	Swaraj Paul	John Wiley & Sons	1996		471958182				946 p, 6 x 9 Hardcover
	Surface Phenomena and Additives in Water-Based Coatings and Printing Technology	Mahendra K. Sharma, ed.	Plenum Press	1991		306441039				320 p, 6.5 x 9.8 Hardcover
	Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology	Mahendra K. Sharma and F.J. Micale, eds.	Plenum Press	1991		306437244				343 p, 6.5 x 9.8 Hardcover
	Surface Phenomena and Latexes in Waterborne Coatings and Printing Techonology	Mahendra K. Sharma, ed.	Plenum Press	1995		306451069				240 p, 6.5 x 9.8 Hardcover
	Synthetic Coating Adhesives	Alan K. Macnair, ed.	TAPPI Press	1998		898523494				66 p, 8.5 x 11 Paperback
	Test Methods for UV and EB Curable Systems	C. Lowe and P.K.T. Oldrin	Wiley - SITA Technology	1997		471978817				219 p, 6.8 x 9 Hardcover
	Thin Films on Glass	Hans Bach and Dieter Krause, eds.	Springer	1997		3540585974				422 p, 6.2 x 9.3 Hardcover
	Thin Films: Preparation, Characterization, Applications		Plenum Press	2002		306473356				378 p, 6.5 x 10 Hardcover

57 listings in Coating processes

A thru H	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Adsorption and Nanostructures (Progress in Colloid and Polymer Science, Vol. 117)	Imre Dekany, ed.	Springer	2002		3540419462				234 p, 8.2 x 10.8 Hardcover
	Advances in Lignocellulosics Characterization	Dimitris S. Argyropoulos, ed.	TAPPI Press	1999		898523575				390 p, 7 x 10 Paperback
	Applications of Synthetic Resin Latices [Vol. 3: Latices in Diverse Applications]	Henry Warson and C.A. Finch	John Wiley & Sons	2001		471954624				544 p, 6 x 9 Hardcover
	Applied Surface Thermodynamics	A.W. Neumann and Jan K. Spelt, eds.	Marcel Dekker	1996		824790960				659 p, 6 x 9 Hardcover
	Biopolymers at Interfaces, 2nd Ed.	Martin Malmsten, ed.	Marcel Dekker	2003		824708636				920 p, 7 x 10 Hardcover
	Colloid and Surface Chemistry		Elsevier	2001		444500456				774 p, 6.5 x 9.5 Hardcover
	Colloid and Surface Properties of Clays and Related Minerals	Rossman F. Giese and Carel J. van Oss, eds.	Marcel Dekker	2002		82479527				308 p, 6 x 9 Hardcover
	Colloid Chemistry II	Markus Antonietti, ed.	Springer	2003		3540004181				240 p, 6 x 9.3 Hardcover
	Colloidal Polymer Particles	J.W. Goodwin and R. Buscall, eds.	Academic Press	1995		122900456				347 p, 6 x 9 Hardcover
	Computational Methods in Surface and Colloid Science	Malgorzata Borowko, ed.	Marcel Dekker	2000		824703235				950 p, 6 x 9 Hardcover
	Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications	Hiroyuki Ohshima and Kunio Furusawa, eds.	Marcel Dekker	1998		824790391				645 p, 7 x 10 Hardcover
	Emulsion Polymerisation and Latex Applications (Rapra Revi Report 160)	Christopher D. Anderson and Eric S. Daniels	Rapra	2003		1859573819				150 p, 8.2 x 11.6 Paperback
	Emulsion Science: Basic Principles, An Overview		Springer	2002		3540436820				148 p, 6.1 x 9.2 Hardcover
	Emulsions, Foams, and Thin Films	K.L. Mittal and Promod Kumar, eds.	Marcel Dekker	2000		824703669				512 p, 6 x 9 Hardcover
	Emulsions: Theory and Practice, 3rd Ed.	Paul Becher	American Chemical Soci	2001		841234965				520 p, 6 x 9.2 Hardcover
	Encyclopedic Handbook of Emulsion Technology	Johan Sjoblom, ed.	Marcel Dekker	2001		824704541				750 p, 8.3 x 11 Hardcover
	Foam and Foam Films: Theory, Experiment, Application	Dotchi Exerowa and Pyotr M. Kruglyakov	Elsevier	1998		444819223				795 p, 6.5 x 9.5 Hardcover
	Formulation Technology: Emulsions, Suspensions, Solid Forr		Wiley - VCH	2001		3527302018				446 p, 6.7 x 9.4 Hardcover
	Fundamentals of Adhesion	Lieng-Huang Lee, ed.	Plenum Press	1991		306434709				472 p, 6.5 x 9.7 Hardcover
	Fundamentals of Interface and Colloid Science [Vol 3: Liquid · Fluid Interfaces]	Hans Lyklema, ed.	Academic Press	2000		124605230				790 p, 6.5 x 9.5 Hardcover
	Handbook of Applied Surface and Colloid Chemistry, Vols. 1 and 2	Krister Holmberg, ed.	John Wiley & Sons	2002		471490830				1110 p, 7.4 x 9.7 Hardcover

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H thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Handbook of Microemulsion Science and Technology	Promod Kumar and K.L. Mittal, eds.	Marcel Dekker	1999		824719794				860 p, 7 x 10 Hardcover
	Handbook of Pulping and Papermaking, 2nd Ed.	Christopher J. Biermann	Academic Press	1996		120973626				782 p, 7 x 10 Hardcover
	Handbook of Surface and Colloid Chemistry, 2nd Ed.	K.S. Birdi, ed.	CRC Press	2002		849310792				864 p, 7 x 10 Hardcover
	Handbook of Surface and Interface Analysis: Methods for Problem-Solving	J.C. Riviere and S. Myhra eds.	Marcel Dekker	1998		824700805				995 p, 6 x 9 Hardcover
	Interfacial Electrochemistry: Theory, Experiment, and Applications	Andrzej Wieckowski, ed.	Marcel Dekker	1999		82476000				992 p, 8.5 x 11 Hardcover
	Interfacial Phenomena and Bioproducts	John L. Brash and Peter W. Wojciechowski, eds.	Marcel Dekker	1996		824796519				521 p, 6 x 9 Hardcover
	Liquid Film Coating: Scientific Principles and Their Technological Implications	Stephan F. Kistler and Peter M. Schweizer, eds.	Chapman & Hall	1997		412064812				795 p, 7.5 x 9.5 Hardcover
	Magnetic Resonance in Colloid and Interface Science (NATO Science Series II, Vol. 76)	Jacques P. Fraissard and Olga Lapina, eds.	Kluwer Academic	2002		1402007876				676 p, 6.3 x 9.5 Paperback
	Modern Approaches to Wettability: Theory and Applications	Malcolm E. Schrader and George I. Loeb, eds.	Plenum Press	1992		306439859				474 p, 6.5 x 10 Hardcover
	Modern Aspects of Emulsion Science	Bernard P. Binks, ed.	Royal Society of Chemist	1998		854044396				442 p, 6 x 9 Hardcover
	Modern Characterization Methods of Surfactant Systems	Bernard P. Binks, ed.	Marcel Dekker	1999		824719786				610 p, 6 x 9 Hardcover
	Nonionic Surfactants: Organic Chemistry	Nico M. van Os, ed.	Marcel Dekker	1998		824799976				305 p, 6 x 9 Hardcover
	Physical Chemistry of Biological Interfaces	Adam Baszkin and Willem Norde, eds.	Marcel Dekker	2000		824775813				846 p, 7 x 10 Hardcover
	Physical Properties of Lipids	Alejandro Marangoni and Suresh Narine, eds.	Marcel Dekker	2002		824700058				600 p, 6 x 9 Hardcover
	Polymer Interfaces and Emulsions	Kunio Esumi, ed.	Marcel Dekker	1999		824719751				582 p, 6 x 9 Hardcover
	Polymer Interfaces: Structure and Strength	Richard P. Wool	Hanser Gardner	1995		1569901333				494 p, 6.2 x 9 Hardcover
	Polymeric Multicomponent Materials: An Introduction	L.H. Sperling	Wiley - Interscience	1997		471041386				415 p, 6 x 9 Hardcover
	Polymers in Dispersed Media I (Macromolecular Symposia 15		Wiley - VCH	2000		3527301291				344 p, 6 x 9.2 Hardcover
	Principles of Colloid and Surface Chemistry, 3rd Ed.	Paul C. Hiemenz and Raj Rajagopalan	Marcel Dekker	1997		824793978				670 p, 7 x 10 Hardcover
	Solubility and Solubilization in Aqueous Media	Samuel H. Yalkowsk	American Chemical Soci	1999		841235767				496 p, 6.1 x 9.2 Hardcover
	Starch and Starch Products in Surface Sizing and Paper Coati	Hans W. Maurer, ed.	TAPPI Press	2001		1930657560				182 p, 8.5 x 11 Paperback
	Surface and Colloid Science (Progress in Colloid and Polymer Science, Vol. 116)	T. Razamus, B. Lindman, and T. Nylander, eds.	Springer	2001		354067814				166 p, 8.2 x 10.8 Hardcover

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Commerce Library Index for: Colloids and Emulsions

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S thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Surface and Colloid Science, Vol. 16	Egon Matijevic, ed.	Plenum Press	2001		30646456				422 p, 6 x 9 Hardcover
	Surface Chemistry and Electrochemistry of Membranes	Torben Smith Sorensen, ed.	Marcel Dekker	1999		824719220				1030 p, 6 x 9 Hardcover
	Surfaces of Nanoparticles and Porous Materials	James A. Schwarz and Cristian I. Contescu, eds.	Marcel Dekker	1999		824719336				804 p, 6 x 9 Hardcover
	Trends in Colloid and Interface Science XV (Progress in Colloi and Polymer Science, Vol. 118)	P.G. Koutsoukos, ed.	Springer	2001		3540422412				310 p, 8.2 x 10.8 Hardcover
	Wettability	John C. Berg, ed.	Marcel Dekker	1993		824790464				451 p, 6 x 9 Hardcover

48 listings in Colloids and Emulsions

Commerce Library Index for: Color Theory, Testing, and Analysis

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C thru U	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Chemistry and Applications of Leuco Dyes	Ramaiah Muthyala, ed.	Plenum Press	1997		306454599				320 p, 6 x 9 Hardcover
	Chemisty and Technology of Water Based Inks	Patrick Laden, ed.	Blackie Academic &	1997		75140165				359 p, 6 x 9 Hardcover
	Color Essentials: Color and Quality for the Graphic Arts & Sciences, Vol. 1	Gary G. Field	GATF	2001		883623862				110 p, 5.5 x 8.5 Paperback
	Color Space and Its Divisions: Color Order from Antiquity to th Present	Rolf G. Kuehni	Wiley - Interscience	2003		471326704				424 p, 6.1 x 9.2 Hardcover
	Color: An Introduction to Practice and Principles	Rolf G. Kuehni	Wiley - Interscience	1997		471145661				194 p, 6 x 9.2 Hardcover
	Coloring of Plastics: Fundamentals, 2nd Ed.	Robert A. Charvat, ed.	Wiley - Interscience	2004		471139068				450 p, 7 x 10 Hardcover
	Coloring of Plastics: Fundamentals, Colorants, Preparations	Albrecht Muller	Hanser Gardner	2003		1569903522				280 p., 6.5 x 9.5 Hardcover
	Coloring Technology for Plastics	Ronald M. Harris, ed.	Plastics Design Library	1999		1884207782				341 p, 7 x 8.5 Hardcover
	FIRST: Flexographic Image Reproduction Specifications & Tolerances, 2nd Ed.		FTA	2004						0 p, 8.5 x 11 Paperback
	GATF Encyclopedia of Graphic Communications	Frank J. Romano and Richard M. Romano, eds.	GATF	1998		883621908				985 p, 8.5 x 11 Hardcover
	GATF Practical Guide to Color Management, 2nd Ed.	Richard M. Adams II and Joshua B. Weisberg	GATF	2000		883622483				250 p, 7.5 x 10 Hardcover
	Industrial Color Testing: Fundamentals and Techniques, 2nd E	Hans G. Volz	Wiley - VCH	2001		3527304363				390 p, 6.8 x 9.5 Hardcover
	Industrial Dyes: Chemistry, Properties, Applications	Klaus Hunger, ed.	Wiley - VCH	2003		3527304266				684 p, 6.5 x 9.5 Hardcover
	Introduction to Densitometry: A User's Guide to Print Productio Measurement Using Densitometry, 2nd Ed.	Peter Brehm	Graphic Communication	1999		933505116				100 p, 7 x 10 Paperback
	Lithographers Manual, 9th Ed.	Thomas M. Destree, ed.	GATF	1994		88362169				420 p, 8.5 x 11 Hardcover
	Pigments for Paper	Robert W. Hagemeyer, ed.	TAPPI Press	1997		898520649				271 p, 6 x 9 Hardcover
	Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert	Annie Berger-Schunn	Wiley - Interscience	1994		471004170				190 p, 6 x 9 Hardcover
	Principles of Color Reproduction		GATF	2000		88362222				480 p, 5.5 x 8.5 Paperback
	Printing Paper & Inks	Charles Finley	Delmar	1997		827364415				459 p, 7 x 10 Hardcover
	Printing Technology, 5th Ed.	J. Michael Adams and Penny Ann Dolin	Delmar	2002		76682232				558 p, 7.88 x 9.13 Hardcove
	Textile Coloration and Finishing	Warren S. Perkins	Carolina Academic Press	1996		890898855				248 p, 6 x 9 Hardcover
	Understanding Color Management	Abhay Sharma	Delmar	2004		1401814476				380 p, 7.4 x 9.2 Paperback

22 listings in Color Theory, Testing, and Analysis

A thru N	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Absorbent Technology	P.K. Chatterjee and B.S. Gupta, eds.	Elsevier	2002		444500006				498 p, 6.5 x 9.5 Hardcover
	Analysis and Design of Structural Bonded Joints	Liyong Tong and Grant P. Steven	Kluwer Academic	1999		792384946				302 p, 6.5 x 9.5 Hardcover
	Application of Textiles in Rubber	David B. Wootton	Rapra	2001		1859572774				256 p, 7.2 x 9.7 Hardcover
	Atlas of Fibre Fracture and Damage to Textiles, 2nd Ed.	J. Hearle, ed.	CRC Press	1998		849338816				480 p, Hardcover
	Composite Materials: Engineering and Science	Frank L. Matthews and R.D. Rawlings	CRC Press	1999		84930251				460 p, 6 x 9 Paperback
	Cure Monitoring for Composites and Adhesives (Rapra Revie Report 164)	David R. Mulligan	Rapra	2003		1859573932				116 p, 8.2 x 11.5 Paperback
	Design and Optimization of Laminated Composite Materials	Zafer Gurdal, Raphael T. Haftka, and Prabhat Hajela	Wiley - Interscience	1999		47125276				349 p, 6 x 9 Hardcover
	Experimental Characterization of Advanced Composite Materials, 3rd Ed.	Donald F. Adams, Leif A. Carlsson, and R. Byron Pipes	CRC Press	2003		1587161001				250 p, 6 x 9.2 Hardcover
	Handbook of Chemical Vapor Deposition: Principles, Technology and Applications, 2nd Ed.	Hugh O. Pierson	Noyes Publications	1999		815514328				436 p, 6 x 9 Hardcover
	Handbook of Fiber Chemistry, 2nd Ed.	Menachem Lewin and Eli M. Pearce, eds.	Marcel Dekker	1998		824794710				1105 p, 6 x 9 Hardcover
	Handbook of Fiber Finish Technology	Philip E. Slade	Marcel Dekker	1998		824700481				534 p, 6 x 9 Hardcover
	Handbook of Physical Testing of Paper, 2nd Ed., Vol 1		Marcel Dekker	2001		824704983				1040 p, 7 x 10 Hardcover
	Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.	Harutun G. Karian, ed.	Marcel Dekker	2003		824740645				756 p, 6 x 9 Hardcover
	Heterogeneous Modification of Polymers: Matrix and Surface Reactions	Joseph Jagur-Grodzinski	John Wiley & Sons	1997		471942871				277 p, 6 x 9 CD-ROM
	Interfacial Aspects Multicomponent Polymer Materials		Plenum Press	1997		306457180				309 p, 6.5 x 9.5 Hardcover
	Introduction to Composite Materials, 2nd Ed.	D. Hull and T.W. Clyne	Cambridge University Pr	1996		521388554				342 p, 6 x 9 Paperback
	Introduction to Composites, 4th Ed.	Tara E. Miller, ed.	Composites Institute	1998		1566766591				100 p, 6 x 9 Paperback
	Liquid Composite Molding	Richard S. Parnas	Hanser Gardner	2000		1569902879				180 p, 6.5 x 9.5 Hardcover
	Mechanics of Winding	David R. Roisum	TAPPI Press	1994		898522811				247 p, 7 x 10 Paperback
	Microstructural Characterisation of Fibre-Reinforced Composite	John Summerscales, ed.	CRC Press	1998		849338824				334 p, 6 x 9 Hardcover
	New Advances in Polyolefins	T.C. Chung, ed.	Plenum Press	1993		306445883				256 p, 6.5 x 9.8 Hardcover
	New Materials Permeable to Water Vapor	Harro Traubel	Springer	1999		3540649468				367 p, 6 x 9.2 Hardcover

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Commerce Library Index for: Composites, Laminates, and Fibers

sorted by subject **C**

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P thru U	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Performance of Plastics	Witold Brostow, ed.	Hanser Gardner	2001		1569902771				710 p, 6.5 x 9.5 Hardcover
	Plastics Extrusion Technology, 2nd Ed.	Friedhelm Hensen	Hanser Gardner	1997		1569902259				674 p, 6.5 x 9.5 Hardcover
	Polymer-Clay Nanocomposites	Thomas J. Pinnavaia and G.W. Beall, eds.	John Wiley & Sons	2000		471637009				368 p, 6 x 9 Hardcover
	Polymeric Multicomponent Materials: An Introduction	L.H. Sperling	Wiley - Interscience	1997		471041386				415 p, 6 x 9 Hardcover
	Processes of Fiber Formation	Zbigniew K. Walczak	Elsevier	2002		80440401				424 p, 6.5 x 9.5 Hardcover
	Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.	Karl Mahall	Springer	2003		3540440720				260 p, 6.5 x 9.6 Hardcover
	Reinforced Plastics Durability	Geoffrey Pritchard, ed.	CRC Press	1999		849305470				384 p, 6.1 x 9.2 Hardcover
	Solid Phase Processing of Polymers		Hanser Gardner	2000		1569903077				428 p, 6.5 x 9.5 Hardcover
	Structure Formation in Polymeric Fibers	David R. Salem, ed.	Hanser Gardner	2001		1569903069				596 p, 6.4 x 9.4 Hardcover
	Surface Characteristics of Fibers and Textiles	Christopher M. Pastore and Paul Kiekens, eds.	Marcel Dekker	2001		824700023				306 p, 6 x 9 Hardcover
	Understanding Extrusion	Chris Rauwendaal	Hanser Gardner	1998		156990233				152 p, 6 x 9 Paperback

33 listings in Composites, Laminates, and Fibers

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2 thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
2001 TAPPI Polymers, Laminations & Coatings Conference Proceedings			TAPPI Press	2001		193065779				0 p, CD-ROM
2002 Troubleshooting Short Course for Extrusion Coating and Flexible Packaging Converters - Notes			TAPPI Press	2002		1930657226				466 p, 8.5 x 11 Paperback
Coextrusion (Rapra Review Report 62)	D. Djordjevic		Rapra	1992		90234871				150 p, 8.5 x 11 Paperback
Corrugated Adhesives Preparation, 5th Ed.	Craig E. Nordquist, ed.		TAPPI Press	2001		1930657765				70 p, 8.5 x 11 Paperback
Corrugating Defect/Remedy Manual, 6th Ed.	James T. Carbone, ed.		TAPPI Press	1999		898525152				220 p, 11 x 0 Paperback
Corrugator	A. Howard Bessen		Jelmar Publishing	1999		1885067178				203 p, 8.5 x 11 Hardcover
Critical Thinking in Converting: A Guide to Industrial Problem-Solving	David R. Roisum		TAPPI Press	2002		1930657773				274 p, 6.8 x 9.8 Paperback
Development and Manufacture of Pressure-Sensitive Products	Istvan Benedek		Marcel Dekker	1999		824702069				692 p, 6 x 9 Hardcover
Extrusion Coating Manual, 4th Ed.	Thomas Bezigian, ed.		TAPPI Press	1999		898520673				331 p, 8.5 x 11 Hardcover
Film Extrusion Manual: Process, Materials, Properties	Thomas I. Butler and Earl W. Veazey, eds.		TAPPI Press	1992		898522501				791 p, 8.5 x 11 Paperback
Flexible Packaging - Adhesives, Coatings and Processes (Rapra Review Report 122)	T.E. Rolando		Rapra	2000		1859572316				114 p, 8.3 x 11.5 Paperback
Flexo Folder-Gluer/Rotary Diecutter Problem Identification Gui	Russell L. Smith		Jelmar Publishing	1998		1885067143				72 p, 8.5 x 11 Paperback
Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board	Joel J. Shulman, ed.		TAPPI Press	1999		898523567				60 p, 8.5 x 11 Paperback
Flexography: Principles & Practices, 5th Ed.			FTA	2000						920 p, 8 x 10.5 Paperback
Handbook of Experimental Methods for Process Improvement	David C. Drain		Chapman & Hall	1997		412127016				448 p, 6 x 9 Hardcover
Identification and Control of Sheet and Film Processes			Springer	2000		1852333057				184 p, 6 x 9 Hardcover
Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of Corrugated Packaging	Russell L. Smith		Jelmar Publishing	1998		1885067135				485 p, 8.5 x 11 Paperback
Mechanics of Rollers	David R. Roisum		TAPPI Press	1996		898523133				317 p, 7 x 10 Paperback
Mechanics of Web Handling	David R. Roisum		TAPPI Press	1998		89852346				233 p, 7 x 10 Paperback
Mechanics of Winding	David R. Roisum		TAPPI Press	1994		898522811				247 p, 7 x 10 Paperback
Medical Device Packaging Handbook	Max Sherman, ed.		Marcel Dekker	1998		824701992				410 p, 6 x 9 Hardcover
Modern Coating & Drying Technology	Edward D. Cohen and Edgar B. Gutoff, eds.		Wiley - VCH	1992		471188069				330 p, 7 x 10 Hardcover
Plastic Film and Foil Web Handling Guide	William E. Hawkins		CRC Press	2003		1587161524				192 p, 6 x 9 Hardcover

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Commerce Library Index for: Converting Technology

sorted by subject C

18-Jan-04 Filter: Complete Shopping List

P thru U	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Plastic Films: Technology and Packaging Applications	Kenton R. Osborne and Wilmer A. Jenkins	Technomic	1992		877628432				258 p, 6 x 9 Hardcover
	Plastics Packaging: Properties, Processing, Applications, and Regulations		Hanser Gardner	2000		1569903034				442 p, 6.5 x 9.5 Hardcover
	Polyolefins 2000: The International Conference on Polyolefins		SPE	2001						768 p, 8.5 x 11 Paperback
	Pressure-Sensitive Formulation	Istvan Benedek	VSP	2000		9067643300				536 p, 6.6 x 9.8 Hardcover
	Roll and Web Defect Terminology	R. Duane Smith, ed.	TAPPI Press	1995		89852279				261 p, 8.5 x 11 Paperback
	SPE Guide on Extrusion Technology and Troubleshooting	John Vlachopoulos and John R. Wagner, Jr., eds.	SPE	2002						456 p, 8.5 x 11 Hardcover
	Statistical Methods for the Process Industries	William H. McNeese and Robert A. Klein	Marcel Dekker	1991		82478524				528 p, 8.5 x 11 Paperback
	Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verification	Flexo Quality Consortium	FTA	1997						50 p, 8.5 x 11 Paperback
	TAPPI 2002 - 2003 Test Methods		TAPPI Press	2002		1930657935				0 p, 8.5 x 11 Paperback
	Tension Control	Kee-Hyun Shin	TAPPI Press	2000		898523486				130 p, 8.5 x 11 Paperback
	Understanding Extrusion	Chris Rauwendaal	Hanser Gardner	1998		156990233				152 p, 6 x 9 Paperback

34 listings in Converting Technology

Commerce Library Index for: Course Books

sorted by subject C

18-Jan-04

Filter: Complete Shopping List

C thru C	Title	Author	Publisher - Location - Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Coatings Technology Lecturer's Manuals Set		ITE						Set includes nine softbound b

1 listing in Course Books

Commerce Library Index for: Curing and Photopolymerization Processes

sorted by subject **C**

18-Jan-04 **Filter: Complete Shopping List**

C thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Cure Assessment by Physical and Chemical Techniques (Ra Review Report 68)	B.G. Willoughby	Rapra	1994		1859570003				122 p, 8.5 x 11 Paperback
	Cure Monitoring for Composites and Adhesives (Rapra Revie Report 164)	David R. Mulligan	Rapra	2003		1859573932				116 p, 8.2 x 11.5 Paperback
	Photogeneration of Reactive Species for UV Curing	Cliff G. Roffey	John Wiley & Sons	1997		471941778				882 p, 6 x 9 Hardcover
	Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)	J.P. Fouassier	Rapra	1997		1859571301				156 p, 8.5 x 11 Paperback
	Photoinitiated Polymerization (ACS Symposium Series 847)	Kevin D. Belfield and James V. Crivello, eds.	American Chemical Soci	2003		841238138				580 p, 6 x 9 Hardcover
	Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications	Jean-Pierre Fouassier	Hanser Gardner	1995		1569901465				388 p, 6.5 x 9.5 Hardcover
	Radiation Curing (Rapra Review Report 136)	R.S. Davidson	Rapra	2001		185957288				128 p, 8.3 x 11.5 Paperback
	Rubber Curing Systems (Rapra Review Report 144)	R.N. Datta	Rapra	2002		1859573266				152 p, 8.2 x 11.5 Paperback
	Test Methods for UV and EB Curable Systems	C. Lowe and P.K.T. Oldrin	Wiley - SITA Technology	1997		471978817				219 p, 6.8 x 9 Hardcover

9 listings in Curing and Photopolymerization Processes

C thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Critical Thinking in Converting: A Guide to Industrial Problem-Solving	David R. Roisum	TAPPI Press	2002		1930657773				274 p, 6.8 x 9.8 Paperback
	Engineering Procedures Handbook	Phillip A. Cloud	Noyes Publications	1997		815514107				432 p, 8.5 x 11 Hardcover
	Experimental Determination of Solubilities	G.T. Hefter and R.P.T. Tomkins, eds.	John Wiley & Sons	2003		471497088				658 p, 6 x 9 Hardcover
	Experimental Quality: A Strategic Approach to Achieve and Improve Quality	Jiju Antony and Mike Kaye	Kluwer Academic	2000		412814404				268 p, 6 x 9 Hardcover
	Experimental Strategies for Polymer Scientists and Plastics Engineers	Richard C. Neuman	Hanser Gardner	1997		1569902240				168 p, 6 x 9 Hardcover
	Handbook of Experimental Methods for Process Improvement	David C. Drain	Chapman & Hall	1997		412127016				448 p, 6 x 9 Hardcover
	Handbook of Plastics Testing Technology, 2nd Ed.	Vishu Shah	Wiley - Interscience	1998		471182028				368 p, 7 x 10 Hardcover
	Implementing Six Sigma: Smarter Solutions Using Statistical Methods, 2nd Ed.	Forrest W. Breyfogle III	John Wiley & Sons	2003		471265721				1226 p, 6 x 9 Hardcover
	Ink Trapping and Colorimetric Variation	Anthony P. Stanton	GATF	2001		883623773				48 p, 8.5 x 11 Paperback
	Introduction to Thermal Analysis: Techniques and Applications 2nd Ed.	Michael E. Brown	Kluwer Academic	2001		1402004729				276 p, 6.3 x 9.5 Paperback
	Liquid Film Coating: Scientific Principles and Their Technological Implications	Stephan F. Kistler and Peter M. Schweizer, eds.	Chapman & Hall	1997		412064812				795 p, 7.5 x 9.5 Hardcover
	Manual of Plastics Analysis	T.R. Crompton	Plenum Press	1998		306459124				524 p, 6.5 x 9.8 Hardcover
	Polymer Characterization: Laboratory Techniques and Analys	Nicholas P. Cheremisinoff	Noyes Publications	1996		815514034				264 p, 6.2 x 9.2 Hardcover
	Polymer Synthesis and Characterization: A Laboratory Manua		Academic Press	1998		12618240				230 p, 8.5 x 11 Paperback
	Probability, Statistics, and Reliability for Engineers and Scientists, 2nd Ed.	Bilal M. Ayyub and Richard H. McCuen	Chapman & Hall	2002		1584882867				650 p, 6 x 9 Hardcover
	Quality Assurance in Adhesive Technology	EUREKA Project EU716	Abington Publications	1998		1855732599				168 p, 8.2 x 11.5 Paperback
	Rheology in Plastics Quality Control	John M. Dealy and Peter C. Saucier	Hanser Gardner	2000		1569902860				152 p, 6.5 x 9.5 Hardcover v
	SPC: Statistical Process Control in Injection Molding and Extrusion	Chris Rauwendaal	Hanser Gardner	2000		1569902852				248 p, 6.5 x 9.5 Hardcover
	Specimen Handling, Preparation, and Treatments in Surface Characterization		Plenum Press	1998		30645887				320 p, 6 x 9 Hardcover
	Taming the Flexo Process - A Beginning, Experiment and Verification		FTA	1994						112 p, 8.5 x 11 Paperback
	Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verification	Flexo Quality Consortium	FTA	1997						50 p, 8.5 x 11 Paperback

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T thru U	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Taming the Flexo Process, Vol. 4: Plate Construction Project, Experiment and Verification	Flexo Quality Consortium	FTA	1999						28 p, 8.5 x 11 Paperback
	Test Methods for UV and EB Curable Systems	C. Lowe and P.K.T. Oldrin	Wiley - SITA Technology	1997		471978817				219 p, 6.8 x 9 Hardcover
	Understanding Design of Experiments: A Primer for Technologists	R.J. Del Vecchio	Hanser Gardner	1997		1569902224				187 p, 6 x 9 Paperback

24 listings in Experimental Design and Analysis

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2 thru P Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
2002 Troubleshooting Short Course for Extrusion Coating and Flexible Packaging Converters - Notes		TAPPI Press	2002		1930657226				466 p, 8.5 x 11 Paperback
Advances in Thermoforming (Rapra Review Report 93)	J.L. Throne	Rapra	1995		1859570895				100 p, 8.5 x 11 Paperback
Analytical Polymer Rheology: Structure - Processing - Proper Relationships	Charles L. Rohn	Hanser Gardner	1995		156990149				326 p, 6.5 x 9.5 Hardcover
Coextrusion (Rapra Review Report 62)	D. Djordjevic	Rapra	1992		90234871				150 p, 8.5 x 11 Paperback
Effect of UV Light and Weather on Plastics and Elastomers	Plastics Design Library Staf	Plastics Design Library	1994		1884207111				491 p, 8.5 x 11 Hardcover
Extrusion Coating Manual, 4th Ed.	Thomas Bezigian, ed.	TAPPI Press	1999		898520673				331 p, 8.5 x 11 Hardcover
Film Extrusion Manual: Process, Materials, Properties	Thomas I. Butler and Earl W. Veazey, eds.	TAPPI Press	1992		898522501				791 p, 8.5 x 11 Paperback
Foam Extrusion: Principles and Practice	Shau-Tarng Lee, ed.	Technomic	2000		1566768799				365 p, 6 x 9 Hardcover
Handbook of Polyethylene: Structures, Properties, and Applications	Andrew J. Peacock	Marcel Dekker	2000		824795466				542 p, 6 x 9 Hardcover
Mechanics of Rollers	David R. Roisum	TAPPI Press	1996		898523133				317 p, 7 x 10 Paperback
Mechanics of Web Handling	David R. Roisum	TAPPI Press	1998		89852346				233 p, 7 x 10 Paperback
Mechanics of Winding	David R. Roisum	TAPPI Press	1994		898522811				247 p, 7 x 10 Paperback
Metallocene Technology in Commercial Applications	George M. Benedikt, ed.	Plastics Design Library	1999		1884207766				321 p, 7 x 8.5 Hardcover
Metallocene-Catalyzed Polymers: Materials, Properties, Processing & Markets	George M. Benedikt and Brian L. Goodall, eds.	Plastics Design Library	1998		1884207596				396 p, 7 x 8.5 Hardcover
Plastic Film and Foil Web Handling Guide	William E. Hawkins	CRC Press	2003		1587161524				192 p, 6 x 9 Hardcover
Plastic Films: Technology and Packaging Applications	Kenton R. Osborne and Wilmer A. Jenkins	Technomic	1992		877628432				258 p, 6 x 9 Hardcover
Plastics Extrusion Technology, 2nd Ed.	Friedhelm Hensen	Hanser Gardner	1997		1569902259				674 p, 6.5 x 9.5 Hardcover
Plastics Packaging: Properties, Processing, Applications, and Regulations		Hanser Gardner	2000		1569903034				442 p, 6.5 x 9.5 Hardcover
Polymer Devolatilization	Ramon J. Albalak	Marcel Dekker	1996		824796276				736 p, 6 x 9 Hardcover
Polymer Extrusion, 4th Ed.	Chris Rauwendaal	Hanser Gardner	2001		1569903212				792 p, 6.5 x 9.5 Hardcover
Polymer Mixing: A Self-Study Guide	Chris Rauwendaal	Hanser Gardner	1998		1569902232				265 p, 6.5 x 9.5 Hardcover
Polymer Processing and Structure Development	Arthur N. Wilkinson and Anthony J. Ryan, eds.	Kluwer Academic	1999		792357728				592 p, 6.2 x 9.5 Paperback
Polypropylene: The Definitive User's Guide	Clive Maier and Teresa Calafut	Plastics Design Library	1998		1884207588				452 p, 8.5 x 11 Hardcover

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Commerce Library Index for: Extrusion

sorted by subject E

18-Jan-04 Filter: Complete Shopping List

R thru U	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Rheology in Plastics Quality Control	John M. Dealy and Peter C. Saucier	Hanser Gardner	2000		1569902860				152 p, 6.5 x 9.5 Hardcover v
	Roll and Web Defect Terminology	R. Duane Smith, ed.	TAPPI Press	1995		89852279				261 p, 8.5 x 11 Paperback
	Rubber Processing: An Introduction	Peter S. Johnson	Hanser Gardner	2001		1569903093				158 p, 6.5 x 9.5 Hardcover
	SPC: Statistical Process Control in Injection Molding and Extrusion	Chris Rauwendaal	Hanser Gardner	2000		1569902852				248 p, 6.5 x 9.5 Hardcover
	SPE Guide on Extrusion Technology and Troubleshooting	John Vlachopoulos and John R. Wagner, Jr., eds.	SPE	2002						456 p, 8.5 x 11 Hardcover
	Troubleshooting the Extrusion Process: A Systematic Approac to Solving Plastic Extrusion Problems	Maria del Pilar Noriega E. and Chris Rauwendaal	Hanser Gardner	2001		1569903204				168 p, 6.5 x 9.5 Hardcover
	Understanding Compounding	Robert H. Wildi and Christian Maier	Hanser Gardner	1998		1569902283				199 p, 6 x 9 Paperback
	Understanding Extrusion	Chris Rauwendaal	Hanser Gardner	1998		156990233				152 p, 6 x 9 Paperback

31 listings in Extrusion

Commerce Library Index for: Fundamentals

sorted by subject F

18-Jan-04 Filter: Complete Shopping List

C thru I	Title	Author	Publisher - Location - Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Color and Appearance, 2nd Edition			2nd Edition	0934010579				94 pages, Soft Cover.
	Introduction to Polymers and Resins, 2nd Edition		FSCT	2nd Editio	0934010285				60 pages, soft cover

2 listings in Fundamentals

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A thru H	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Advanced Cleaning Product Formulations, Vol. 5	E.W. Flick	Noyes Publications	1999		81551431				254 p, 6 x 9 Hardcover
	Characterization of Materials (2 Volume Set)	Elton N. Kaufmann, ed.	Wiley - Interscience	2003		471268828				1420 p, 8.5 x 11 Hardcover
	Chemical Nomenclature	K.J. Thurlow, ed.	Kluwer Academic	1998		751404756				260 p, Hardcover
	Chemical Product Design	E.L. Cussler and G.D. Moggridge	Cambridge University Pr	2001		521796334				248 p, 7 x 10 Paperback
	Cohesion: A Scientific History of Intermolecular Forces	John S. Rowlinson	Cambridge University Pr	2002		521810086				342 p, 6.8 x 9.7 Hardcover
	Color Space and Its Divisions: Color Order from Antiquity to th Present	Rolf G. Kuehni	Wiley - Interscience	2003		471326704				424 p, 6.1 x 9.2 Hardcover
	Concise Polymeric Materials Encyclopedia	Joseph C. Salamone, ed.	CRC Press	1999		84932226				1743 p, 8.5 x 11 Hardcover
	Craft of Scientific Writing, 3rd Ed.	Michael Alley	Springer	1996		387947663				297 p, 6 x 9 Paperback
	CRC Handbook of Laboratory Safety, 5th Ed.	A. Keith Furr, ed.	CRC Press	2000		849325234				808 p, 7 x 10 Hardcover
	CRC Materials Science and Engineering Handbook, 3rd Ed.	James F. Shackelford and William Alexander	CRC Press	2001		849326966				1950 p, 7 x 10 Hardcover
	Dictionary of Paper, 5th Ed.	Michael Kouris, ed.	TAPPI Press	1996		898520592				353 p, 7 x 10 Hardcover
	Encyclopedic Dictionary of Named Processes in Chemical Technology, 2nd Ed.	A.E. Comyns, ed.	CRC Press	1999		849312051				368 p, Hardcover
	Engineering Procedures Handbook	Phillip A. Cloud	Noyes Publications	1997		815514107				432 p, 8.5 x 11 Hardcover
	Flammability Handbook for Plastics, 5th Ed.	Carlos J. Hidalgo	Technomic	1998		1566766516				350 p, 6 x 9 Hardcover
	GATF Encyclopedia of Graphic Communications	Frank J. Romano and Richard M. Romano, eds.	GATF	1998		883621908				985 p, 8.5 x 11 Hardcover
	Glossary of Plastics Terminology in Five Languages, 5th Ed.	Wolfgang Glenz, ed.	Hanser Gardner	2001		156990328				390 p, 4.6 x 7.5 Paperback
	Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.		Wiley - Interscience	2001		471254479				650 p, 6 x 9.2 Hardcover
	Handbook of Chemical Health and Safety	Robert J. Alaimo, ed.	American Chemical Soci	2001		841236704				672 p, 8.5 x 11 Hardcover
	Handbook of Graphic Arts Equations	Manfred H. Breede	GATF	1999		883622467				248 p, 7.5 x 10 Paperback w
	Handbook of Print Media: Technologies and Manufacturing Processes	Helmut Kipphan, ed.	Springer	2001		3540673261				1228 p, 7.5 x 9.5 Hardcover
	Handbook of Printing Processes	Deborah L. Stevenson	GATF	1994		883621649				270 p, 5.5 x 8.5 Hardcover
	Handbook of Total Quality Management	Christian N. Madu, ed.	Kluwer Academic	1998		41275360				834 p, 6 x 9 Hardcover
	Hawley's Condensed Chemical Dictionary, 14th Print Ed.	Richard S. Lewis, Sr.	John Wiley & Sons	2001		471387355				1240 p, 7 x 10 Hardcover
	How to Find Chemical Information: A Guide for Practicing Chemists, Educators, and Students, 3rd Ed.	Robert E. Maizell	John Wiley & Sons	1998		471125792				540 p, 6 x 9 Hardcover

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I thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Indexing: A Nuts-and-Bolts Guide for Technical Writers	Kurt Ament	William Andrew	2001		815514816				108 p, 6.7 x 9 Paperback
	Industrial Plastics: Theory and Applications, 4th Ed.	Erik Lokensgard	Delmar	2004		1401804691				546 p, 8.5 x 11 Paperback
	Industrial Solvents Handbook, 5th Ed.	Ernest W. Flick	Noyes Publications	1998		815514131				996 p, 8.5 x 11 Hardcover
	Inventor's Notebook, 3rd Ed.	Fred Grissom and David Pressman	Nolo Press	2000		873375998				224 p, 8.5 x 11 Paperback
	Ionic Liquids in Synthesis	Peter Wasserscheid and Tom Welton, eds.	Wiley - VCH	2003		3527305157				380 p, 9.4 x 0 Hardcover
	Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique	Gary S. Coyne	Wiley - Interscience	1997		471184225				572 p, 7 x 10 Hardcover
	New Product Development: From Initial Idea to Product Management	Marc A. Annacchino	Elsevier	2003		750677325				600 p, 7 x 9.2 Hardcover
	Packaging Designer's Book of Patterns, 2nd Ed.	Laszlo Roth and George L. Wybenga	John Wiley & Sons	2000		471385042				608 p, 8.5 x 11 Paperback
	Patent Strategy: For Researchers and Research Managers, 2 Ed.	H. Jackson Knight	John Wiley & Sons	2001		471492612				220 p, 6 x 9 Paperback
	Patent, Copyright and Trademark, 5th Ed.	Stephen R. Elias	Nolo Press	2002		873378482				512 p, 7 x 9 Paperback
	Plantwide Process Control	Kelvin T. Erickson and John L. Hedrick	Wiley - Interscience	1999		471178357				560 p, 7 x 10 Hardcover
	Polymer Data Handbook	James E. Mark	Oxford University Press	1999		195107896				1040 p, 7.5 x 9.2 Hardcover
	Polymers in Building and Construction (Rapra Review Report 154)	Sue Halliwell	Rapra	2002		1859573622				136 p, 8.5 x 11 Paperback
	Premanufacture Notification: Chemistry Assistance for Submitters	Stephen C. DeVito and Carol A. Farris	John Wiley & Sons	1997		471191515				144 p, 8.5 x 11 Hardcover
	Preparing Scientific Illustrations: A Guide to Better Posters, Presentations, and Publications, 2nd Ed.	Mary Helen Briscoe	Springer	1996		387945814				216 p, 7 x 10 Paperback
	Printing Plant Layout and Facility Design, 2nd Ed.	A. John Geis	GATF	1997		883622114				218 p, 8.5 x 11 Paperback
	Research and Development Management in the Chemical and Pharmaceutical Industry, 2nd Ed.	Peter Bamfield	Wiley - VCH	2003		3527306676				280 p, 6.6 x 9.5 Hardcover
	Rosato's Plastics Encyclopedia and Dictionary	Dominick V. Rosato	Hanser Gardner	1993		1569900884				885 p, 6.5 x 9.5 Hardcover
	Safety, Health, and Asset Protection: Management Essentials, 2nd Ed.	Richard W. Lack, ed.	St. Lucie Press	2002		1566703700				886 p, 6 x 9.2 Hardcover
	Simple Methods for Identification of Plastics, 4th Ed.	Dieter Braun	Hanser Gardner	1999		1569902801				138 p, 5.5 x 8.3 Paperback
	Six Sigma and Beyond, Vol. VII: The Implemenation Process	D.H. Stamatis	St. Lucie Press	2003		157444316				652 p, 6 x 9.2 Hardcover

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T thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Technical Graphics Communication, 3rd Ed.	Gary R. Bertoline and Eric N. Wiebe	McGraw-Hill	2003		73655988				1312 p, 8.5 x 10 Hardcover
	Trademark: Legal Care for Your Business & Product Name, 6 Ed.	Stephen Elias	Nolo Press	2003		873379454				340 p, 7 x 9 Paperback
	Training in Plastics Technology, 2nd Ed.		Hanser Gardner	2000		1569902933				196 p, 6.7 x 10.2 Paperback
	Whittington's Dictionary of Plastics, 3rd Ed.	James F. Carley, ed.	Technomic	1993		1566760909				575 p, 6 x 9 Hardcover
	Wiley's English-Spanish/Spanish-English Chemistry Dictionar Diccionario de Quimica Ingles-Espanol, Espanol-Ingles	Steven M. Kaplan	Wiley - Interscience	1998		471249238				537 p, 7 x 10 Paperback

50 listings in General Reference

A thru I	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Analyses of Hazardous Substances in Air, Vol. 5	Antonius Kettrup, ed.	Wiley - VCH	2002		3527270469				250 p, 6.5 x 9.5 Hardcover
	Biopolymers (Rapra Review Report 159)	R.M. Johnson, L.Y. Mwaikambo, and N. Tucke	Rapra	2003		1859573797				148 p, 8.2 x 11.5 Paperback
	Chemical Nomenclature	K.J. Thurlow, ed.	Kluwer Academic	1998		751404756				260 p, Hardcover
	Chemical Protective Clothing Performance Index, 2nd Ed.	Krister Forsberg and Lawrence H. Keith	Wiley - Interscience	1999		471328448				650 p, 7 x 10 Hardcover
	Clean Solvents: Alternative Media for Chemical Reactions and Processing (ACS Symposium Series 819)	Martin A. Abraham and Luc Moens, eds.	American Chemical Soci	2002		841237794				286 p, 6 x 9 Hardcover
	CRC Handbook of Laboratory Safety, 5th Ed.	A. Keith Furr, ed.	CRC Press	2000		849325234				808 p, 7 x 10 Hardcover
	Encyclopedic Dictionary of Named Processes in Chemical Technology, 2nd Ed.	A.E. Comyns, ed.	CRC Press	1999		849312051				368 p, Hardcover
	Environmental Regulations for Printers: How to Comply with Environmental Rules While Making Your Printing Operations More Productive and Profitable	Fred Shapiro	Jelmar Publishing	2003		1885067089				964 p, 8.5 x 11 Hardcover
	Fire and Explosion Hazards Handbook of Industrial Chemicals	Tatyana A. Davletshina and Nicholas P. Cheremisinoff	Noyes Publications	1998		815514298				494 p, 7 x 10 Hardcover
	Flammability Handbook for Plastics, 5th Ed.	Carlos J. Hidalgo	Technomic	1998		1566766516				350 p, 6 x 9 Hardcover
	Food Packaging Technology, Vol. 1	G. Bureau and J.-L. Multon, eds.	Wiley - VCH	1996		471186414				398 p, 6 x 9 Hardcover
	Green Solvents for Chemistry: Perspectives and Practice	William M. Nelson	Oxford University Press	2003		195157362				400 p, 6 x 9.2 Hardcover
	Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.		Wiley - Interscience	2001		471254479				650 p, 6 x 9.2 Hardcover
	Guidelines for Laboratory Quality Auditing	Donald C. Singer and Ronald P. Upton	Marcel Dekker	1993		824787846				421 p, 6 x 9 Hardcover
	Handbook for Critical Cleaning	Barbara Kanegsberg and Edward Kanegsberg, eds.	CRC Press	2001		849316553				680 p, 7 x 10 Hardcover
	Handbook of Chemical Health and Safety	Robert J. Alaimo, ed.	American Chemical Soci	2001		841236704				672 p, 8.5 x 11 Hardcover
	Handbook of Fillers, 2nd Ed.	George Wypych	ChemTec Publishing	1999		1884207693				910 p, 6.5 x 9.3 Hardcover
	Hawley's Condensed Chemical Dictionary, 14th Print Ed.	Richard S. Lewis, Sr.	John Wiley & Sons	2001		471387355				1240 p, 7 x 10 Hardcover
	How to Find Chemical Information: A Guide for Practicing Chemists, Educators, and Students, 3rd Ed.	Robert E. Maizell	John Wiley & Sons	1998		471125792				540 p, 6 x 9 Hardcover
	Industrial Fire Safety Guidebook	Tatyana A. Davletshina	Noyes Publications	1998		815514204				540 p, 6 x 9 Hardcover
	Industrial Solvents Handbook, 2nd Ed.	Nicholas P. Cheremisinoff	Marcel Dekker	2003		824740335				358 p, 6 x 9 Hardcover

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I thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Industrial Solvents Handbook, 5th Ed.	Ernest W. Flick	Noyes Publications	1998		815514131				996 p, 8.5 x 11 Hardcover
	Ionic Liquids in Synthesis	Peter Wasserscheid and Tom Welton, eds.	Wiley - VCH	2003		3527305157				380 p, 9.4 x 0 Hardcover
	Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique	Gary S. Coyne	Wiley - Interscience	1997		471184225				572 p, 7 x 10 Hardcover
	Laboratory Health & Safety Dictionary	W. Carl Gottschall and Douglas B. Walters	John Wiley & Sons	2001		471283177				468 p, 6 x 9 Paperback
	New Products and Applications in Surfactant Technology	David R. Karsa, ed.	Sheffield Academic	1998		849397383				245 p, 6 x 9 Hardcover
	Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.	Krister Holmberg, ed.	Marcel Dekker	2003		824743008				648 p, 6 x 9 Hardcover
	Organic Ion Radicals: Chemistry and Applications	Zory V. Todres	Marcel Dekker	2003		824708105				456 p, 7 x 10 Hardcover
	Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)	A.S. Wilson	Rapra	1995		1859570614				108 p, 8.5 x 11 Paperback
	Plastics Additives: An A - Z Reference	Geoffrey Pritchard, ed.	Chapman & Hall	1998		41272720				656 p, 6 x 9 Hardcover
	Polymer Synthesis and Characterization: A Laboratory Manua		Academic Press	1998		12618240				230 p, 8.5 x 11 Paperback
	Practical Guide to Chemical Safety Testing: Regulatory Consequences - Chemicals, Food Packaging and Medical Devices	Derek J. Night and Mike B. Thomas, eds.	Rapra	2003		185957372				468 p, 7.2 x 9.8 Paperback
	Premanufacture Notification: Chemistry Assistance for Submitters	Stephen C. DeVito and Carol A. Farris	John Wiley & Sons	1997		471191515				144 p, 8.5 x 11 Hardcover
	Rosato's Plastics Encyclopedia and Dictionary	Dominick V. Rosato	Hanser Gardner	1993		1569900884				885 p, 6.5 x 9.5 Hardcover
	Safety, Health, and Asset Protection: Management Essentials, 2nd Ed.	Richard W. Lack, ed.	St. Lucie Press	2002		1566703700				886 p, 6 x 9.2 Hardcover
	Simple Methods for Identification of Plastics, 4th Ed.	Dieter Braun	Hanser Gardner	1999		1569902801				138 p, 5.5 x 8.3 Paperback
	Toxicology of Solvents	Maeve McParland and Nicola Bates, eds.	Rapra	2002		1859572960				430 p, 8.3 x 11.7 Hardcover
	Training in Plastics Technology, 2nd Ed.		Hanser Gardner	2000		1569902933				196 p, 6.7 x 10.2 Paperback

38 listings in Health, Safety, and the Environment

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A thru N	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Adhesion Measurement of Films and Coatings	K.L. Mittal, ed.	VSP	1995		9067641820				466 p, 6.2 x 9.4 Hardcover
	Analysis and Deformulation of Polymeric Materials: Paints, Plastics, Adhesives, and Inks	Jan W. Gooch	Plenum Press	1997		306455412				352 p, 6 x 9 Hardcover
	Analytical Polymer Rheology: Structure - Processing - Proper Relationships	Charles L. Rohn	Hanser Gardner	1995		156990149				326 p, 6.5 x 9.5 Hardcover
	Applications of Synthetic Resin Latices [Vol. 3: Latices in Diverse Applications]	Henry Warson and C.A. Finch	John Wiley & Sons	2001		471954624				544 p, 6 x 9 Hardcover
	Associative Polymers in Aqueous Media (ACS Symposium Series 765)	J. Edward Glass, ed.	American Chemical Soci	2000		841236593				434 p, 6 x 9 Hardcover
	Binder Migration in Paper and Paperboard Coatings	Michael J. Whalen-Shaw, ed.	TAPPI Press	1993		898522706				140 p, 8.5 x 11 Paperback
	Chemistry & Technology of UV & EB Formulation for Coating Inks & Paints, Vol. 5: Speciality Finishes	P.K.T. Oldring, ed.	Wiley - SITA Technology	1997		471978809				272 p, 6.5 x 9 Hardcover
	Chemisty and Technology of Water Based Inks	Patrick Laden, ed.	Blackie Academic &	1997		75140165				359 p, 6 x 9 Hardcover
	Coated Textiles: Principles and Applications	Ashish Kumar Sen	Technomic	2001		1587160234				246 p, 6 x 9 Hardcover
	Coating Materials for Electronic Applications: Polymers, Processing, Reliability, Testing	James J. Licari	Noyes Publications	2003		815514921				550 p, 6 x 9 Hardcover
	Coating Processes		TAPPI Press	1993		898520584				288 p, 8.5 x 11 Paperback
	Cure Assessment by Physical and Chemical Techniques (Ra Review Report 68)	B.G. Willoughby	Rapra	1994		1859570003				122 p, 8.5 x 11 Paperback
	Flexographic Ink: A Process Approach	FFTA Staff	FTA	1998						167 p, 7 x 10 Paperback
	Flexography: Principles & Practices, 5th Ed.		FTA	2000						920 p, 8 x 10.5 Paperback
	GATF Encyclopedia of Graphic Communications	Frank J. Romano and Richard M. Romano, eds.	GATF	1998		883621908				985 p, 8.5 x 11 Hardcover
	Handbook of Chemical Vapor Deposition: Principles, Technology and Applications, 2nd Ed.	Hugh O. Pierson	Noyes Publications	1999		815514328				436 p, 6 x 9 Hardcover
	Handbook of Deposition Technologies for Films and Coatings: Science, Technology and Applications, 2nd Ed.	Rointan F. Bunshah, ed.	Noyes Publications	1994		815513372				888 p, 6 x 9 Hardcover
	Handbook of Thermoset Plastics, 2nd Ed.	Sidney H. Goodman, ed.	Noyes Publications	1998		815514212				604 p, 6 x 9.3 Hardcover
	Ink Trapping and Colorimetric Variation	Anthony P. Stanton	GATF	2001		883623773				48 p, 8.5 x 11 Paperback
	Modern Coating & Drying Technology	Edward D. Cohen and Edgar B. Gutoff, eds.	Wiley - VCH	1992		471188069				330 p, 7 x 10 Hardcover
	New Materials Permeable to Water Vapor	Harro Traubel	Springer	1999		3540649468				367 p, 6 x 9.2 Hardcover

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Commerce Library Index for: Inks and Coatings

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P thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Paper Coating Additives		TAPPI Press	1995		898520614				150 p, 7 x 10 Hardcover
	Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)	J.P. Fouassier	Rapra	1997		1859571301				156 p, 8.5 x 11 Paperback
	Printing Ink and Overprint Varnish Formulations, 2nd Ed.	Ernest W. Flick	Noyes Publications	1999		815514409				144 p, 6 x 9 Hardcover
	Printing Paper & Inks	Charles Finley	Delmar	1997		827364415				459 p, 7 x 10 Hardcover
	Radiation Curing (Rapra Review Report 136)	R.S. Davidson	Rapra	2001		185957288				128 p, 8.3 x 11.5 Paperback
	Recent Developments in Epoxy Resins (Rapra Review Repo 91)	I. Hamerton	Rapra	1995		1859570836				185 p, 8.5 x 11 Paperback
	Resins for Coatings: Chemistry, Properties, and Applications	Dieter Stoye and Werner Freitag, eds.	Hanser Gardner	1996		1569902097				475 p, 6.5 x 9.3 Hardcover
	Screen Printing Primer, 2nd Ed.	Samuel Ingram	GATF	1999		883622076				152 p, 5.5 x 8.5 Paperback
	Screen Printing: A Contemporary Approach	Samuel B. Hoff	Delmar	1997		827371284				298 p, 8 x 9 Hardcover
	Surface Phenomena and Additives in Water-Based Coatings and Printing Technology	Mahendra K. Sharma, ed.	Plenum Press	1991		306441039				320 p, 6.5 x 9.8 Hardcover
	Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology	Mahendra K. Sharma and F.J. Micale, eds.	Plenum Press	1991		306437244				343 p, 6.5 x 9.8 Hardcover
	Surface Phenomena and Latexes in Waterborne Coatings and Printing Techonology	Mahendra K. Sharma, ed.	Plenum Press	1995		306451069				240 p, 6.5 x 9.8 Hardcover
	Surfactants in Polymers, Coatings, Inks, and Adhesives	David R. Karsa, ed.	Blackwell Publishing	2003		84932808				320 p, 6.1 x 9.2 Hardcover
	Toxicology of Solvents	Maeve McParland and Nicola Bates, eds.	Rapra	2002		1859572960				430 p, 8.3 x 11.7 Hardcover
	What the Printer Should Know About Ink, 3rd Ed.	Nelson R. Eldred	GATF	2001		88362284				350 p, 7.5 x 10 Hardcover

36 listings in Inks and Coatings

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A thru F	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Acid-Base Interactions: Relevance to Adhesion Science and Technology	K.L. Mittal and H.R. Anderson, Jr., eds.	VSP	1991		9067641359				400 p, 6.2 x 9.4 Hardcover
	Acid-Base Interactions: Relevance to Adhesion Science and Technology, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643254				636 p, 6.6 x 9.8 Hardcover
	Adhesion Science	John Comyn	Royal Society of Chemis	1997		854045430				160 p, 5.5 x 8.5 Paperback
	Adsorption: Theory, Modeling, and Analysis	Jozsef Toth, ed.	Marcel Dekker	2002		824707478				890 p, 7 x 10 Hardcover
	Apparent and Microscopic Contact Angles	J. Drelich, J.S. Laskowski and K.L. Mittal, eds.	VSP	2000		9067643211				532 p, 6.6 x 9.8 Hardcover
	Applied Surface Thermodynamics	A.W. Neumann and Jan K. Spelt, eds.	Marcel Dekker	1996		824790960				659 p, 6 x 9 Hardcover
	Biopolymers at Interfaces, 2nd Ed.	Martin Malmsten, ed.	Marcel Dekker	2003		824708636				920 p, 7 x 10 Hardcover
	Chemical Properties of Material Surfaces	Marek Kosmulski	Marcel Dekker	2001		824705602				768 p, 7 x 10 Hardcover
	Cohesion: A Scientific History of Intermolecular Forces	John S. Rowlinson	Cambridge University Pr	2002		521810086				342 p, 6.8 x 9.7 Hardcover
	Colloid and Surface Chemistry		Elsevier	2001		444500456				774 p, 6.5 x 9.5 Hardcover
	Computational Methods in Surface and Colloid Science	Malgorzata Borowko, ed.	Marcel Dekker	2000		824703235				950 p, 6 x 9 Hardcover
	Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Optoelectronic Applications		Marcel Dekker	2002		824705882				884 p, 6 x 9 Hardcover
	Contact Angle, Wettability and Adhesion, Vol. 2	K.L. Mittal, ed.	VSP	2002		906764370				572 p, 6.2 x 9.4 Hardcover
	Drops and Bubbles in Interfacial Research	D. Mobius and R. Miller, eds.	Elsevier	1998		44482894				726 p, 6.5 x 9.5 Hardcover
	Dynamic Surface Phenomena	Paul Joos	VSP	1999		9067643009				374 p, 6.7 x 9.8 Hardcover
	Dynamics of Molecule Surface Interactions	Gert Due Billing	Wiley - Interscience	2000		471331082				246 p, 6 x 9 Hardcover
	Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications	Hiroyuki Ohshima and Kunio Furusawa, eds.	Marcel Dekker	1998		824790391				645 p, 7 x 10 Hardcover
	Emulsions, Foams, and Thin Films	K.L. Mittal and Promod Kumar, eds.	Marcel Dekker	2000		824703669				512 p, 6 x 9 Hardcover
	Emulsions: Theory and Practice, 3rd Ed.	Paul Becher	American Chemical Soci	2001		841234965				520 p, 6 x 9.2 Hardcover
	Encyclopedic Handbook of Emulsion Technology	Johan Sjoblom, ed.	Marcel Dekker	2001		824704541				750 p, 8.3 x 11 Hardcover
	First International Congress on Adhesion Science and Technology: Festschrift in Honor of Dr. K.L. Mittal on the Occasion of his 50th Birthday	W.J. van Ooji and H.R. Anderson, Jr., eds.	VSP	1998		9067642916				948 p, 6.2 x 9.4 Hardcover
	Foam and Foam Films: Theory, Experiment, Application	Dotchi Exerowa and Pyotr M. Kruglyakov	Elsevier	1998		444819223				795 p, 6.5 x 9.5 Hardcover

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F thru N	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Fundamentals of Adhesion	Lieng-Huang Lee, ed.	Plenum Press	1991		306434709				472 p, 6.5 x 9.7 Hardcover
	Fundamentals of Adhesion and Interfaces	D.S. Rimai, L.P. DeMejo, and K.L. Mittal, eds.	VSP	1995		9067641979				304 p, 6.2 x 9.4 Hardcover
	Fundamentals of Interface and Colloid Science [Vol 3: Liquid Fluid Interfaces]	Hans Lyklema, ed.	Academic Press	2000		124605230				790 p, 6.5 x 9.5 Hardcover
	Fundamentals of Interfacial Engineering	Robert J. Stokes and D. Fennell Evans	Wiley - VCH	1997		471186473				729 p, 7 x 10 Hardcover
	Handbook of Applied Surface and Colloid Chemistry, Vols. 1 and 2	Krister Holmberg, ed.	John Wiley & Sons	2002		471490830				1110 p, 7.4 x 9.7 Hardcover
	Handbook of IR Spectroscopy of Ultrathin Films		Wiley - Interscience	2003		47135404				736 p, 6.1 x 9.2 Hardcover
	Handbook of Plasma Immersion Ion Implantation and Depositio	Andre Anders, ed.	John Wiley & Sons	2000		471246980				760 p, 6 x 9 Hardcover
	Handbook of Plastics Joining: A Practical Guide	Plastics Design Library Stal	Plastics Design Library	1997		1884207170				485 p, 8.5 x 11 Hardcover
	Impact of Surface Science on Catalysis	Bruce C. Gates and Helmut Knoezinger, eds.	Academic Press	2001		122772512				460 p, 6 x 9 Paperback
	Interfacial Aspects Multicomponent Polymer Materials		Plenum Press	1997		306457180				309 p, 6.5 x 9.5 Hardcover
	Interfacial Dynamics	Nikola Kallay, ed.	Marcel Dekker	2000		824700066				750 p, 7 x 10 Hardcover
	Interfacial Electrochemistry: Theory, Experiment, and Applications	Andrzej Wieckowski, ed.	Marcel Dekker	1999		82476000				992 p, 8.5 x 11 Hardcover
	Interfacial Phenomena and Bioproducts	John L. Brash and Peter W. Wojciechowski, eds.	Marcel Dekker	1996		824796519				521 p, 6 x 9 Hardcover
	Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)	Jane Frommer and Rene M. Overney, eds.	American Chemical Soci	2001		841236917				360 p, 6 x 9 Hardcover
	Interfacial Supramolecular Assemblies	Johannes G. Vos, Robert J. Forster, and Tia E. Keye	John Wiley & Sons	2003		471490717				328 p, 7.4 x 9.7 Hardcover
	Intermolecular & Surface Forces, 3rd Ed.	Jacob N. Israelachvili	Academic Press	2003		0123751829				600 p., 6 x 9 Hardcover
	Liquid Interfaces in Chemistry and Biology		Wiley - Interscience	1998		471148725				562 p, 6 x 9 Hardcover
	Low Temperature Plasma Physics: Fundamental Aspects and Applications		Wiley - VCH	2001		3527288872				530 p, 6.5 x 9.5 Hardcover
	Magnetic Resonance in Colloid and Interface Science (NATO Science Series II, Vol. 76)	Jacques P. Fraissard and Olga Lapina, eds.	Kluwer Academic	2002		1402007876				676 p, 6.3 x 9.5 Paperback
	Molecular Organisation on Interfaces (Progress in Colloid and Polymer Science, Vol. 121)	G. Lagaly, ed.	Springer	2002		3540436375				120 p, 8.3 x 11 Hardcover
	Novel Methods to Study Interfacial Layers	D. Mobius and R. Miller, eds.	Elsevier	2001		444509488				536 p, 6.5 x 9.5 Hardcover

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Oxide Surfaces		James A. Wingrave, ed.	Marcel Dekker	2001		824700007				536 p, 7 x 10 Hardcover
Particles on Surfaces 5 & 6: Detection, Adhesion and Remova		K.L. Mittal, ed.	VSP	1999		9067643122				362 p, 6.6 x 9.8 Hardcover
Particles on Surfaces 7: Detection, Adhesion and Removal		K.L. Mittal, ed.	VSP	2002		9067643726				462 p, 6.2 x 9.4 Hardcover
Permeation through Polymers for Process Industry Application		Robert P. Campion	Materials Technology Ins	2000		444500529				160 p, 6 x 9 Hardcover
Physical Chemistry of Biological Interfaces		Adam Baszkin and Willem Norde, eds.	Marcel Dekker	2000		824775813				846 p, 7 x 10 Hardcover
Physical Chemistry of Surfaces, 6th Ed.		Arthur W. Adamson and Alice P. Gast	Wiley - Interscience	1997		471148733				808 p, 6 x 9 Hardcover
Physics and Chemistry of Interfaces		Hans-Jurgen Butt, Karlheinz Graf, and Michael Kappl	Wiley - VCH	2003		3527404139				372 p, 6.5 x 9.5 Paperback
Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)			Kluwer Academic	1997		792348591				542 p, 6.5 x 9.5 Hardcover
Polyimides and Other High Temperature Polymers: Synthesis Characterization and Applications, Vol. 1		K.L. Mittal, ed.	VSP	2001		9067643394				330 p, 6.2 x 9.4 Hardcover
Polymer Dispersions and Their Industrial Applications		Dieter Urban and Koichi Takamura, eds.	Wiley - VCH	2002		3527302867				426 p, 6.7 x 9.4 Hardcover
Polymer Sorption Phenomena (Macromolecular Symposia 14!			Wiley - VCH	1999		352729905				190 p, 6 x 9 Hardcover
Polymer Surface Modification: Relevance to Adhesion		K.L. Mittal, ed.	VSP	1996		9067642010				558 p, 6.2 x 9.4 Hardcover
Polymer Surfaces and Interfaces II		W.J. Feast, H.S. Munro, and R.W. Richards, eds.	John Wiley & Sons	1993		471934569				314 p, 6 x 9 Hardcover
Polymer Surfaces and Interfaces: Characterization, Modificatio and Application		K.L. Mittal and K.-W. Lee, eds.	VSP	1997		9067642177				434 p, 6.2 x 9.4 Hardcover
Science and Engineering of Droplets: Fundamentals and Applications		Huimin Liu	Noyes Publications	2000		815514360				540 p, 6 x 9.2 Hardcover
Silanes and Other Coupling Agents, Vol. 2		K.L. Mittal, ed.	VSP	2000		9067643319				300 p, 6.6 x 9.8 Hardcover
Soft Interfaces: The 1994 Dirac Memorial Lecture		Pierre Gilles de Gennes	Cambridge University Pr	1997		521564174				128 p, 5 x 7.2 Hardcover
Solid - Liquid Interface Theory (ACS Symposium Series 789)		J. Woods Halley, ed.	American Chemical Soci	2001		841237174				248 p, 6 x 9 Hardcover
Solid-Liquid Interfaces: Macroscopic Phenomena - Microscopi Understanding		K. Wandelt and S. Thurgate, eds.	Springer	2003		3540425837				460 p, 6 x 9.2 Hardcover
Surface and Colloid Science, Vol. 16		Egon Matijevic, ed.	Plenum Press	2001		30646456				422 p, 6 x 9 Hardcover
Surface Characteristics of Fibers and Textiles		Christopher M. Pastore and Paul Kiekens, eds.	Marcel Dekker	2001		824700023				306 p, 6 x 9 Hardcover

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S thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Surface Chemistry	Elaine M. McCash	Oxford University Press	2001		198503288				188 p, 6.5 x 9.5 Paperback
	Surface Chemistry and Electrochemistry of Membranes	Torben Smith Sorensen, ed.	Marcel Dekker	1999		824719220				1030 p, 6 x 9 Hardcover
	Surface Science: Foundations of Catalysis and Nanoscience	Kurt W. Kolasinski	John Wiley & Sons	2002		471492450				318 p, 6.5 x 9.5 Paperback
	Surfaces of Nanoparticles and Porous Materials	James A. Schwarz and Cristian I. Contescu, eds.	Marcel Dekker	1999		824719336				804 p, 6 x 9 Hardcover
	Surfactants: Chemistry, Interfacial Properties, Applications	V.B. Fainerman, D. Mobius, and R. Miller, eds	Elsevier	2001		444509623				678 p, 6.5 x 9.5 Hardcover v
	Trends in Colloid and Interface Science XV (Progress in Colloi and Polymer Science, Vol. 118)	P.G. Koutsoukos, ed.	Springer	2001		3540422412				310 p, 8.2 x 10.8 Hardcover
	Van der Waals Complexes in Supersonic Beams: Laser Spectroscopy of Neutral-Neutral Interactions	Jaroslaw Koperski	Wiley - VCH	2003		3527403841				234 p, 6.5 x 9.5 Hardcover
	Wettability	John C. Berg, ed.	Marcel Dekker	1993		824790464				451 p, 6 x 9 Hardcover

72 listings in Interfacial Engineering and Surface Science

A thru F	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Adhesion Aspects of Thin Films, Vol. 1	K.L. Mittal, ed.	VSP	2001		9067643386				280 p, 6.2 x 9.4 Paperback
	Adhesion Measurement of Films and Coatings, Vol. 2	K.L. Mittal, ed.	VSP	2001		9067643378				364 p, 6.2 x 9.4 Paperback
	Analysis and Design of Structural Bonded Joints	Liyong Tong and Grant P. Steven	Kluwer Academic	1999		792384946				302 p, 6.5 x 9.5 Hardcover
	Analysis of Thermoset Materials, Precursors and Products (Rapra Review Report 162)	Martin J. Forrest	Rapra	2003		1859573908				156 p, 8.2 x 11.6 Paperback
	Atlas of Fibre Fracture and Damage to Textiles, 2nd Ed.	J. Hearle, ed.	CRC Press	1998		849338816				480 p, Hardcover
	Characterization of Materials (2 Volume Set)	Elton N. Kaufmann, ed.	Wiley - Interscience	2003		471268828				1420 p, 8.5 x 11 Hardcover
	Chemical Nomenclature	K.J. Thurlow, ed.	Kluwer Academic	1998		751404756				260 p, Hardcover
	Chemical Properties of Material Surfaces	Marek Kosmulski	Marcel Dekker	2001		824705602				768 p, 7 x 10 Hardcover
	Colloid and Surface Properties of Clays and Related Minerals	Rossman F. Giese and Carel J. van Oss, eds.	Marcel Dekker	2002		82479527				308 p, 6 x 9 Hardcover
	Composite Materials: Engineering and Science	Frank L. Matthews and R.D. Rawlings	CRC Press	1999		84930251				460 p, 6 x 9 Paperback
	Contact, Adhesion, and Rupture of Elastic Solids	Daniel Maugis	Springer	2000		3540661131				430 p, 6.1 x 9.3 Hardcover
	Copolymerization: Toward a Systematic Approach	Cornel Hagiopol	Plenum Press	1999		30646179				238 p, 6 x 9 Hardcover with
	CRC Materials Science and Engineering Handbook, 3rd Ed.	James F. Shackelford and William Alexander	CRC Press	2001		849326966				1950 p, 7 x 10 Hardcover
	Design and Optimization of Laminated Composite Materials	Zafer Gurdal, Raphael T. Haftka, and Prabhat Hajela	Wiley - Interscience	1999		47125276				349 p, 6 x 9 Hardcover
	Dielectrics in Electric Fields	Gorur G. Raju	Marcel Dekker	2003		824708644				596 p, 7 x 10 Hardcover
	Dynamic Mechanical Analysis: A Practical Introduction to Techniques and Applications	Kevin P. Menard	CRC Press	1999		849386888				224 p, 6 x 9 Hardcover
	Engineering With Rubber: How to Design Rubber Components 2nd Ed.	Alan N. Gent, ed.	Hanser Gardner	2001		1569902992				380 p, 6.5 x 9.5 Hardcover
	Experimental Characterization of Advanced Composite Materials, 3rd Ed.	Donald F. Adams, Leif A. Carlsson, and R. Byron Pipes	CRC Press	2003		1587161001				250 p, 6 x 9.2 Hardcover
	Fatigue and Tribological Properties of Plastics and Elastomers	Plastics Design Library Staf	Plastics Design Library	1995		1884207154				537 p, 8.5 x 11 Hardcover
	Flammability Handbook for Plastics, 5th Ed.	Carlos J. Hidalgo	Technomic	1998		1566766516				350 p, 6 x 9 Hardcover
	Foam Extrusion: Principles and Practice	Shau-Tarng Lee, ed.	Technomic	2000		1566768799				365 p, 6 x 9 Hardcover
	Fundamentals of Interfacial Engineering	Robert J. Stokes and D. Fennell Evans	Wiley - VCH	1997		471186473				729 p, 7 x 10 Hardcover

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G thru L	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Guide to Materials Characterization and Chemical Analysis, 2 Ed.	John P. Sibilia, ed.	Wiley - VCH	1996		471186333				400 p, 6 x 9 Hardcover
	Handbook of Chemical Vapor Deposition: Principles, Technology and Applications, 2nd Ed.	Hugh O. Pierson	Noyes Publications	1999		815514328				436 p, 6 x 9 Hardcover
	Handbook of Deposition Technologies for Films and Coatings: Science, Technology and Applications, 2nd Ed.	Rointan F. Bunshah, ed.	Noyes Publications	1994		815513372				888 p, 6 x 9 Hardcover
	Handbook of Fiber Chemistry, 2nd Ed.	Menachem Lewin and Eli M. Pearce, eds.	Marcel Dekker	1998		824794710				1105 p, 6 x 9 Hardcover
	Handbook of IR Spectroscopy of Ultrathin Films		Wiley - Interscience	2003		47135404				736 p, 6.1 x 9.2 Hardcover
	Handbook of Material Weathering, 3rd Ed.	George Wypych	ChemTec Publishing	2003		815514786				756 p, 6.4 x 9.2 Hardcover
	Handbook of Plasma Immersion Ion Implantation and Depositio	Andre Anders, ed.	John Wiley & Sons	2000		471246980				760 p, 6 x 9 Hardcover
	Handbook of Plastics Joining: A Practical Guide	Plastics Design Library Stal	Plastics Design Library	1997		1884207170				485 p, 8.5 x 11 Hardcover
	Handbook of Polycarbonate Science and Technology	Donald G. LeGrand and John T. Bendler, eds.	Marcel Dekker	2000		824799151				370 p, 6 x 9 Hardcover
	Handbook of Polymer Testing: Short-Term Mechanical Tests	Roger Brown, ed.	Rapra	2002		185957324				220 p, 7.3 x 9.8 Paperback
	Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.	Harutun G. Karian, ed.	Marcel Dekker	2003		824740645				756 p, 6 x 9 Hardcover
	Handbook of Rubber Bonding	Bryan Crowther, ed.	Rapra	2001		1859571670				396 p, 7.2 x 9.7 Hardcover
	Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.	Krishna Seshan, ed.	Noyes Publications	2002		815514425				658 p, 6 x 9 Hardcover
	Heterogeneous Modification of Polymers: Matrix and Surface Reactions	Joseph Jagur-Grodzinski	John Wiley & Sons	1997		471942871				277 p, 6 x 9 CD-ROM
	Interfacial Electrochemistry: Theory, Experiment, and Applications	Andrzej Wieckowski, ed.	Marcel Dekker	1999		82476000				992 p, 8.5 x 11 Hardcover
	Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)	Jane Frommer and Rene M. Overney, eds.	American Chemical Soci	2001		841236917				360 p, 6 x 9 Hardcover
	Introduction to Composite Materials, 2nd Ed.	D. Hull and T.W. Clyne	Cambridge University Pr	1996		521388554				342 p, 6 x 9 Paperback
	Introduction to Composites, 4th Ed.	Tara E. Miller, ed.	Composites Institute	1998		1566766591				100 p, 6 x 9 Paperback
	Introduction to Thermal Analysis: Techniques and Applications 2nd Ed.	Michael E. Brown	Kluwer Academic	2001		1402004729				276 p, 6.3 x 9.5 Paperback
	Liquid Composite Molding	Richard S. Parnas	Hanser Gardner	2000		1569902879				180 p, 6.5 x 9.5 Hardcover v
	Low Temperature Plasma Physics: Fundamental Aspects and Applications		Wiley - VCH	2001		3527288872				530 p, 6.5 x 9.5 Hardcover

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M thru R	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Materials Science of Polymers for Engineers, 2nd Ed.	Tim A. Osswald and Georg Menges	Hanser Gardner	2003		1569903484				640 p, 6.3 x 9 Hardcover
	Motion of Bubbles and Drops in Reduced Gravity	R. Shankar Subramanian and R. Balasubramaniam	Cambridge University Pr	2001		521496055				488 p, 7 x 10 Hardcover
	Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials	Gero Decher and Joseph B. Schlenoff, eds.	Wiley - VCH	2003		3527304401				544 p, 6.5 x 9.5 Hardcover
	Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)		Kluwer Academic	2000		792362667				392 p, 6.2 x 9.5 Paperback
	New Advances in Polyolefins	T.C. Chung, ed.	Plenum Press	1993		306445883				256 p, 6.5 x 9.8 Hardcover
	Oxide Surfaces	James A. Wingrave, ed.	Marcel Dekker	2001		824700007				536 p, 7 x 10 Hardcover
	Particles on Surfaces 5 & 6: Detection, Adhesion and Remova	K.L. Mittal, ed.	VSP	1999		9067643122				362 p, 6.6 x 9.8 Hardcover
	Particles on Surfaces 7: Detection, Adhesion and Removal	K.L. Mittal, ed.	VSP	2002		9067643726				462 p, 6.2 x 9.4 Hardcover
	Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrier Materials	Liesl K. Massey	Plastics Design Library	2003		1884207979				616 p, 8.5 x 11 Hardcover
	Permeation through Polymers for Process Industry Application	Robert P. Campion	Materials Technology Ins	2000		444500529				160 p, 6 x 9 Hardcover
	Physical Vapor Deposition of Thin Films	John E. Mahan	Wiley - Interscience	2000		471330019				326 p, 6 x 9 Hardcover
	Polymer Data Handbook	James E. Mark	Oxford University Press	1999		195107896				1040 p, 7.5 x 9.2 Hardcover
	Polymer Nanocomposites: Synthesis, Characterization, and Modeling (ACS Symposium Series 804)	Ramanan Krishnamoorti and Richard A. Vaia, eds.	American Chemical Soci	2001		841237689				252 p, 6 x 9 Hardcover
	Polymeric Multicomponent Materials: An Introduction	L.H. Sperling	Wiley - Interscience	1997		471041386				415 p, 6 x 9 Hardcover
	Polymeric Seals and Sealing Technology (Rapra Review Rep 96)	J.A. Hickman	Rapra	1995		1859570968				117 p, 8.5 x 11 Paperback
	Polymers in Building and Construction (Rapra Review Report 154)	Sue Halliwell	Rapra	2002		1859573622				136 p, 8.5 x 11 Paperback
	Polypropylene: The Definitive User's Guide	Clive Maier and Teresa Calafut	Plastics Design Library	1998		1884207588				452 p, 8.5 x 11 Hardcover
	Principles of Chemical Vapor Deposition: What's Going On Inside the Reactor?	Daniel M. Dobkin and Michael K. Zuraw, eds.	Kluwer Academic	2003		1402012489				288 p, 6.3 x 9.5 Hardcover
	Processes of Fiber Formation	Zbigniew K. Walczak	Elsevier	2002		80440401				424 p, 6.5 x 9.5 Hardcover
	Rubber Bonding 2001: Advances in the Bonding of Rubber to Various Substrates		Rapra	2001		1859572987				224 p, 8 x 11 Paperback
	Rubber Formulary	Peter A. Ciullo and Norman Hewitt	Plastics Design Library	1999		815514344				765 p, 6 x 9 Hardcover

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R thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Rubber Processing: An Introduction	Peter S. Johnson	Hanser Gardner	2001		1569903093				158 p, 6.5 x 9.5 Hardcover
	Rubber Technologist's Handbook	Jim R. White and Sadhan K. De, eds.	Rapra	2002		1859572626				596 p, 7.2 x 9.8 Hardcover
	Simple Methods for Identification of Plastics, 4th Ed.	Dieter Braun	Hanser Gardner	1999		1569902801				138 p, 5.5 x 8.3 Paperback
	Solid Lubrication Fundamentals and Applications	Kazuhisa Miyoshi	Marcel Dekker	2001		824789059				412 p, 6 x 9 Hardcover
	Specimen Handling, Preparation, and Treatments in Surface Characterization		Plenum Press	1998		30645887				320 p, 6 x 9 Hardcover
	Spectroscopy of Rubbers and Rubbery Materials	Victor M. Litvinov and Prajna P. De, eds.	Rapra	2002		1859572804				650 p, 7.2 x 9.8 Hardcover
	Structural Adhesive Joints in Engineering, 2nd Ed.	R.D. Adams, J. Comyn, and W.C. Wake	Chapman & Hall	1997		412709201				370 p, 6 x 9 Hardcover
	Structure Formation in Polymeric Fibers	David R. Salem, ed.	Hanser Gardner	2001		1569903069				596 p, 6.4 x 9.4 Hardcover
	Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, and Applications	Ya-Ping Sun, ed.	Marcel Dekker	2002		82470651				592 p, 6 x 9 Hardcover
	Surface Contamination and Cleaning, Vol. 1	K.L. Mittal, ed.	VSP	2003		9067643769				374 p, 6.2 x 9.4 Hardcover
	Surface Modes in Physics	Bo E. Sernelius	Wiley - VCH	2001		3527403132				370 p, 6.5 x 9.5 Hardcover
	Surfaces of Nanoparticles and Porous Materials	James A. Schwarz and Cristian I. Contescu, eds.	Marcel Dekker	1999		824719336				804 p, 6 x 9 Hardcover
	Thermal Analysis: Fundamentals and Applications to Polymer Science, 2nd Ed.	T. Hatakeyama and F.X. Quinn	John Wiley & Sons	1999		471983624				190 p, 6 x 9 Hardcover
	Thin Films on Glass	Hans Bach and Dieter Krause, eds.	Springer	1997		3540585974				422 p, 6.2 x 9.3 Hardcover

78 listings in Materials Science

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Commerce Library Index for: Packaging Conformance and Specifications

sorted by subject **P**

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c thru v	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Corrugating Defect/Remedy Manual, 6th Ed.	James T. Carbone, ed.	TAPPI Press	1999		898525152				220 p, 11 x 0 Paperback
	Flexo Folder-Gluer/Rotary Diecutter Problem Identification Gui	Russell L. Smith	Jelmar Publishing	1998		1885067143				72 p, 8.5 x 11 Paperback
	Food Packaging Technology, Vol. 1	G. Bureau and J.-L. Multon, eds.	Wiley - VCH	1996		471186414				398 p, 6 x 9 Hardcover
	Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of Corrugated Packaging	Russell L. Smith	Jelmar Publishing	1998		1885067135				485 p, 8.5 x 11 Paperback
	Packaging Designer's Book of Patterns, 2nd Ed.	Laszlo Roth and George L. Wybenga	John Wiley & Sons	2000		471385042				608 p, 8.5 x 11 Paperback
	Packaging: Specifications, Purchasing, and Quality Control, 4t Ed.	Edmund A. Leonard	Marcel Dekker	1996		824797558				304 p, 6 x 9 Hardcover
	Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, and Legislation	O.-G. Piringer and A.L. Baner, eds.	Wiley - VCH	2000		3527288686				610 p, 6.5 x 9.5 Hardcover
	Technology of Plastics Packaging for the Consumer Market	Geoff A. Giles and David R. Bain, eds.	CRC Press	2001		84930508				274 p, 6 x 9 Hardcover
	Validating Medical Packaging	Ronald Pilchik	CRC Press	2003		1566768071				160 p, 6 x 9 Hardcover

9 listings in Packaging Conformance and Specifications

Commerce Library Index for: Packaging Technology

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A thru U	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Advances in Thermoforming (Rapra Review Report 93)	J.L. Throne	Rapra	1995		1859570895				100 p, 8.5 x 11 Paperback
	Corrugator	A. Howard Bessen	Jelmar Publishing	1999		1885067178				203 p, 8.5 x 11 Hardcover
	Food Packaging Technology, Vol. 1	G. Bureau and J.-L. Multon, eds.	Wiley - VCH	1996		471186414				398 p, 6 x 9 Hardcover
	Food Packaging: Testing Methods and Applications (ACS Symposium Series 753)	Sara J. Risch, ed.	American Chemical Soci	2000		841236178				174 p, 6 x 9 Hardcover
	Handbook of Polyethylene: Structures, Properties, and Applications	Andrew J. Peacock	Marcel Dekker	2000		824795466				542 p, 6 x 9 Hardcover
	Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of Corrugated Packaging	Russell L. Smith	Jelmar Publishing	1998		1885067135				485 p, 8.5 x 11 Paperback
	Medical Device Packaging Handbook	Max Sherman, ed.	Marcel Dekker	1998		824701992				410 p, 6 x 9 Hardcover
	Medical Plastics: Degradation Resistance & Failure Analysis	Robert C. Portnoy, ed.	Plastics Design Library	1998		188420760				220 p, 7 x 8.5 Hardcover
	Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrier Materials	Liesl K. Massey	Plastics Design Library	2003		1884207979				616 p, 8.5 x 11 Hardcover
	Plastic Film and Foil Web Handling Guide	William E. Hawkins	CRC Press	2003		1587161524				192 p, 6 x 9 Hardcover
	Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, and Legislation	O.-G. Piringer and A.L. Baner, eds.	Wiley - VCH	2000		3527288686				610 p, 6.5 x 9.5 Hardcover
	Plastics Packaging: Properties, Processing, Applications, and Regulations		Hanser Gardner	2000		1569903034				442 p, 6.5 x 9.5 Hardcover
	Technology of Plastics Packaging for the Consumer Market	Geoff A. Giles and David R. Bain, eds.	CRC Press	2001		84930508				274 p, 6 x 9 Hardcover
	Thermoforming: A Plastics Processing Guide, 2nd Ed.	Geza Gruenwald	Technomic	1998		1566766257				254 p, 6 x 9 Hardcover
	Understanding Plastics Packaging Technology	Susan E.M. Selke	Hanser Gardner	1997		1569902348				220 p, 6 x 9 Paperback

15 listings in Packaging Technology

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Commerce Library Index for: Packaging: General Reference

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C thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Corrugating Defect/Remedy Manual, 6th Ed.	James T. Carbone, ed.	TAPPI Press	1999		898525152				220 p, 11 x 0 Paperback
	Flexo Folder-Gluer/Rotary Diecutter Problem Identification Gui	Russell L. Smith	Jelmar Publishing	1998		1885067143				72 p, 8.5 x 11 Paperback
	Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board	Joel J. Shulman, ed.	TAPPI Press	1999		898523567				60 p, 8.5 x 11 Paperback
	Food Packaging: Testing Methods and Applications (ACS Symposium Series 753)	Sara J. Risch, ed.	American Chemical Soci	2000		841236178				174 p, 6 x 9 Hardcover
	Packaging Designer's Book of Patterns, 2nd Ed.	Laszlo Roth and George L. Wybenga	John Wiley & Sons	2000		471385042				608 p, 8.5 x 11 Paperback
	Packaging: Specifications, Purchasing, and Quality Control, 4t Ed.	Edmund A. Leonard	Marcel Dekker	1996		824797558				304 p, 6 x 9 Hardcover
	Technology of Plastics Packaging for the Consumer Market	Geoff A. Giles and David R. Bain, eds.	CRC Press	2001		84930508				274 p, 6 x 9 Hardcover

7 listings in Packaging: General Reference

Commerce Library Index for: Paints and Protective Coatings

sorted by subject **P**

18-Jan-04 **Filter: Complete Shopping List**

A thru R	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Adhesion Measurement of Films and Coatings, Vol. 2	K.L. Mittal, ed.	VSP	2001		9067643378				364 p, 6.2 x 9.4 Paperback
	Associative Polymers in Aqueous Media (ACS Symposium Series 765)	J. Edward Glass, ed.	American Chemical Soci	2000		841236593				434 p, 6 x 9 Hardcover
	Chemistry & Technology of UV & EB Formulation for Coatings Inks & Paints, Vol. 5: Speciality Finishes	P.K.T. Oldring, ed.	Wiley - SITA Technology	1997		471978809				272 p, 6.5 x 9 Hardcover
	Chemistry and Technology of Isocyanates	Henri Ulrich	John Wiley & Sons	1996		471963712				502 p, 6 x 9 Hardcover
	Coating Materials for Electronic Applications: Polymers, Processing, Reliability, Testing	James J. Licari	Noyes Publications	2003		815514921				550 p, 6 x 9 Hardcover
	Coatings of Polymers and Plastics	Rose A. Ryntz and Philip V. Yaneff, eds.	Marcel Dekker	2003		824708946				370 p, 6 x 9 Hardcover
	Colloidal Polymer Particles	J.W. Goodwin and R. Buscall, eds.	Academic Press	1995		122900456				347 p, 6 x 9 Hardcover
	Color: An Introduction to Practice and Principles	Rolf G. Kuehni	Wiley - Interscience	1997		471145661				194 p, 6 x 9.2 Hardcover
	Copolymerization: Toward a Systematic Approach	Cornel Hagiopol	Plenum Press	1999		30646179				238 p, 6 x 9 Hardcover with
	Cure Assessment by Physical and Chemical Techniques (Ra Review Report 68)	B.G. Willoughby	Rapra	1994		1859570003				122 p, 8.5 x 11 Paperback
	Engineering Coatings - Design and Application, 2nd Ed.	Stan Grainger and Jane Blunt, eds.	William Andrew	1998		1884207685				331 p, 6.7 x 9.6 Hardcover
	Industrial Color Testing: Fundamentals and Techniques, 2nd E	Hans G. Volz	Wiley - VCH	2001		3527304363				390 p, 6.8 x 9.5 Hardcover
	Industrial Solvents Handbook, 2nd Ed.	Nicholas P. Cheremisinoff	Marcel Dekker	2003		824740335				358 p, 6 x 9 Hardcover
	Modern Aspects of Emulsion Science	Bernard P. Binks, ed.	Royal Society of Chemist	1998		854044396				442 p, 6 x 9 Hardcover
	Polymer Dispersions and Their Industrial Applications	Dieter Urban and Koichi Takamura, eds.	Wiley - VCH	2002		3527302867				426 p, 6.7 x 9.4 Hardcover
	Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert	Annie Berger-Schunn	Wiley - Interscience	1994		471004170				190 p, 6 x 9 Hardcover
	Principles of Colloid and Surface Chemistry, 3rd Ed.	Paul C. Hiemenz and Raj Rajagopalan	Marcel Dekker	1997		824793978				670 p, 7 x 10 Hardcover
	Recent Developments in Epoxy Resins (Rapra Review Repo 91)	I. Hamerton	Rapra	1995		1859570836				185 p, 8.5 x 11 Paperback
	Resins for Coatings: Chemistry, Properties, and Applications	Dieter Stoye and Werner Freitag, eds.	Hanser Gardner	1996		1569902097				475 p, 6.5 x 9.3 Hardcover
	Resins for Surface Coatings, 2nd Ed. [Vol. 1: Acrylics & Epoxies]	P.K.T. Oldring, ed.	Wiley - SITA Technology	2001		471978949				374 p, 6.5 x 9 Hardcover

Commerce Library Index for: Paints and Protective Coatings

sorted by subject **P**

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R thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Resins for Surface Coatings, 2nd Ed. [Vol. 2: Alkyds & Polyesters]	P.K.T. Oldring, ed.	Wiley - SITA Technology	2001		471978957				226 p, 6.5 x 9 Hardcover
	Society of Vacuum Coaters Technical Conference Proceeding 1991-2000 CD-ROM Edition	SVC Staff	Society of Vacuum Coate	2001		815514824				0 p, CD-ROM
	Surface Coatings: Science and Technology, 2nd Ed.	Swaraj Paul	John Wiley & Sons	1996		471958182				946 p, 6 x 9 Hardcover
	Thin Films on Glass	Hans Bach and Dieter Krause, eds.	Springer	1997		3540585974				422 p, 6.2 x 9.3 Hardcover
	Toxicology of Solvents	Maeve McParland and Nicola Bates, eds.	Rapra	2002		1859572960				430 p, 8.3 x 11.7 Hardcover
	Water-Based Paint Formulations, Vol. 4	Ernest W. Flick	Noyes Publications	1997		815514158				268 p, 6 x 9 Hardcover
	Water-Borne Coatings: The Environmentally-Friendly Alternati	Klaus Doren, Werner Freitag, and Dieter Stoye	Hanser Gardner	1994		1569901392				201 p., 6.5 x 9.5 Hardcover

27 listings in Paints and Protective Coatings

Commerce Library Index for: Paper and Paperboard

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A thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Advances in Lignocellulosics Characterization	Dimitris S. Argyropoulos, ed.	TAPPI Press	1999		898523575				390 p, 7 x 10 Paperback
	Coating Processes		TAPPI Press	1993		898520584				288 p, 8.5 x 11 Paperback
	Corrugated Adhesives Preparation, 5th Ed.	Craig E. Nordquist, ed.	TAPPI Press	2001		1930657765				70 p, 8.5 x 11 Paperback
	Dictionary of Paper, 5th Ed.	Michael Kouris, ed.	TAPPI Press	1996		898520592				353 p, 7 x 10 Hardcover
	Handbook of Experimental Methods for Process Improvement	David C. Drain	Chapman & Hall	1997		412127016				448 p, 6 x 9 Hardcover
	Handbook of Physical Testing of Paper, 2nd Ed., Vol 1		Marcel Dekker	2001		824704983				1040 p, 7 x 10 Hardcover
	Handbook of Pulping and Papermaking, 2nd Ed.	Christopher J. Biermann	Academic Press	1996		120973626				782 p, 7 x 10 Hardcover
	Identification and Control of Sheet and Film Processes		Springer	2000		1852333057				184 p, 6 x 9 Hardcover
	Paper Coating Additives		TAPPI Press	1995		898520614				150 p, 7 x 10 Hardcover
	Plantwide Process Control	Kelvin T. Erickson and John L. Hedrick	Wiley - Interscience	1999		471178357				560 p, 7 x 10 Hardcover
	Printing Paper & Inks	Charles Finley	Delmar	1997		827364415				459 p, 7 x 10 Hardcover
	Properties of Paper: An Introduction, 2nd Ed.		TAPPI Press	1995		898520622				209 p, 7 x 10 Paperback
	Retention of Fines and Fillers During Papermaking	Jerome M. Gess, ed.	TAPPI Press	1998		898520665				372 p, 7 x 10 Hardcover
	Starch and Starch Products in Surface Sizing and Paper Coati	Hans W. Maurer, ed.	TAPPI Press	2001		1930657560				182 p, 8.5 x 11 Paperback
	Surface Analysis of Paper	Terrance E. Conners and Sujit Banerjee, eds.	CRC Press	1995		849389925				368 p, 7 x 10 Hardcover
	Surface Application of Paper Chemicals	James Brander and Ian Thorn, eds.	Blackie Academic &	1997		751403709				288 p, 6 x 9 Hardcover
	Tension Control	Kee-Hyun Shin	TAPPI Press	2000		898523486				130 p, 8.5 x 11 Paperback

17 listings in Paper and Paperboard

Commerce Library Index for: Patents and Intellectual Property

sorted by subject **P**

18-Jan-04 **Filter: Complete Shopping List**

F thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Filing Patents Online: A Professional Guide	Sarfaraz K. Niazi	CRC Press	2003		849316243				450 p, 6 x 9.2 Paperback
	How to Make Patent Drawings Yourself, 3rd Ed.	David Pressman and Jack Lo	Nolo Press	2001		873377885				258 p, 8.5 x 11 Paperback
	Inventor's Notebook, 3rd Ed.	Fred Grissom and David Pressman	Nolo Press	2000		873375998				224 p, 8.5 x 11 Paperback
	Patent and Trademark Tactics and Practice, 3rd Ed.	David A. Burge	John Wiley & Sons	1999		471329320				298 p, 6 x 9 Hardcover
	Patent Fundamentals for Scientists and Engineers, 2nd Ed.	Thomas T. Gordon and Arthur S. Cookfair	Lewis Publishers	2000		1566705177				168 p, 6 x 9 Paperback
	Patent Searching Made Easy: Patent Searches on the Internet and in the Library, 2nd Ed.	D. Hitchcock	Nolo Press	2000		873375548				192 p, 8.5 x 11 Paperback
	Patent Strategy: For Researchers and Research Managers, 2 Ed.	H. Jackson Knight	John Wiley & Sons	2001		471492612				220 p, 6 x 9 Paperback
	Patent, Copyright and Trademark, 5th Ed.	Stephen R. Elias	Nolo Press	2002		873378482				512 p, 7 x 9 Paperback
	Premanufacture Notification: Chemistry Assistance for Submitters	Stephen C. DeVito and Carol A. Farris	John Wiley & Sons	1997		471191515				144 p, 8.5 x 11 Hardcover
	Protecting Your Ideas: The Inventor's Guide to Patents	Joy L. Bryant	Academic Press	1998		0121384101				243 p., 6 x 9 Hardcover
	Trademark: Legal Care for Your Business & Product Name, 6 Ed.	Stephen Elias	Nolo Press	2003		873379454				340 p, 7 x 9 Paperback

11 listings in Patents and Intellectual Property

Commerce Library Index for: Pigments, Dyes, and Colorants

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18-Jan-04 **Filter: Complete Shopping List**

C thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Chemistry and Applications of Leuco Dyes	Ramaiah Muthyala, ed.	Plenum Press	1997		306454599				320 p, 6 x 9 Hardcover
	Colorants for Non-Textile Applications	H.S. Freeman and A.T. Peters, eds.	Elsevier	2000		444828885				636 p, 6.5 x 9.5 Hardcover
	Coloring of Plastics: Fundamentals, 2nd Ed.	Robert A. Charvat, ed.	Wiley - Interscience	2004		471139068				450 p, 7 x 10 Hardcover
	Coloring Technology for Plastics	Ronald M. Harris, ed.	Plastics Design Library	1999		1884207782				341 p, 7 x 8.5 Hardcover
	Developments in Colorants for Plastics (Rapra Review Report 157)	Ian N. Christensen	Rapra	2003		1859573738				120 p, 8.2 x 11.5 Paperback
	Industrial Dyes: Chemistry, Properties, Applications	Klaus Hunger, ed.	Wiley - VCH	2003		3527304266				684 p, 6.5 x 9.5 Hardcover
	Industrial Organic Pigments: Production, Properties, Applications, 3rd Ed.	Klaus Hunger and Willy Herbst	Wiley - VCH	2004		3527305769				675 p., Hardcover
	Metallic Pigments in Polymers	Ian Wheeler	Rapra	1999		1859571662				248 p, 7.2 x 9.7 Hardcover
	Pigments for Paper	Robert W. Hagemeyer, ed.	TAPPI Press	1997		898520649				271 p, 6 x 9 Hardcover

9 listings in Pigments, Dyes, and Colorants

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1 thru U Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
1995-1999 TAPPI Polymers, Laminations and Coatings Conference Proceedings		TAPPI Press	1999		898523680				CD-ROM
2000 TAPPI Polymers, Laminations & Coatings Conference Proceedings		TAPPI Press	2000		898529700				1420 p, 8.5 x 11 Paperback
2001 TAPPI Polymers, Laminations & Coatings Conference Proceedings		TAPPI Press	2001		193065779				0 p, CD-ROM
Coextrusion (Rapra Review Report 62)	D. Djordjevic	Rapra	1992		90234871				150 p, 8.5 x 11 Paperback
Dielectrics in Electric Fields	Gorur G. Raju	Marcel Dekker	2003		824708644				596 p, 7 x 10 Hardcover
Film Extrusion Manual: Process, Materials, Properties	Thomas I. Butler and Earl W. Veazey, eds.	TAPPI Press	1992		898522501				791 p, 8.5 x 11 Paperback
Film Processing	Toshitaka Kanai and Gregory A. Campbell, eds.	Hanser Gardner	1999		1569902526				400 p, 6.5 x 9.5 Hardcover
Handbook of Plastic Films	Elsayed M. Abdel-Bary, ed	Rapra	2003		185957338				416 p, 7.3 x 10 Paperback
Identification and Control of Sheet and Film Processes		Springer	2000		1852333057				184 p, 6 x 9 Hardcover
In-Mould Decoration of Plastics (Rapra Review Report 146)	J.C. Love and V. Goodshi	Rapra	2002		1859573282				128 p, 8.5 x 11 Paperback
Metallocene Technology in Commercial Applications	George M. Benedikt, ed.	Plastics Design Library	1999		1884207766				321 p, 7 x 8.5 Hardcover
Metallocene-Based Polyolefins: Preparation, Properties and Technology	John Scheirs and Walter Kaminsky, eds.	John Wiley & Sons	2000		471980862				1150 p, 6 x 9 Hardcover
Metallocene-Catalyzed Polymers: Materials, Properties, Processing & Markets	George M. Benedikt and Brian L. Goodall, eds.	Plastics Design Library	1998		1884207596				396 p, 7 x 8.5 Hardcover
Plasma Surface Modification of Polymers: Relevance to Adhesion	M. Strobel, C.S. Lyons, an K.L. Mittal, eds.	VSP	1994		9067641642				300 p, 6.2 x 9.4 Hardcover
Plastic Films: Technology and Packaging Applications	Kenton R. Osborne and Wilmer A. Jenkins	Technomic	1992		877628432				258 p, 6 x 9 Hardcover
Polymer Extrusion, 4th Ed.	Chris Rauwendaal	Hanser Gardner	2001		1569903212				792 p, 6.5 x 9.5 Hardcover
Roll and Web Defect Terminology	R. Duane Smith, ed.	TAPPI Press	1995		89852279				261 p, 8.5 x 11 Paperback
SPE Guide on Extrusion Technology and Troubleshooting	John Vlachopoulos and John R. Wagner, Jr., eds.	SPE	2002						456 p, 8.5 x 11 Hardcover
Tension Control	Kee-Hyun Shin	TAPPI Press	2000		898523486				130 p, 8.5 x 11 Paperback
Troubleshooting the Extrusion Process: A Systematic Approa to Solving Plastic Extrusion Problems	Maria del Pilar Noriega E. and Chris Rauwendaal	Hanser Gardner	2001		1569903204				168 p, 6.5 x 9.5 Hardcover
Understanding Plastics Packaging Technology	Susan E.M. Selke	Hanser Gardner	1997		1569902348				220 p, 6 x 9 Paperback

21 listings in Plastic films

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	Advances in Thermoforming (Rapra Review Report 93)	J.L. Throne	Rapra	1995		1859570895				100 p, 8.5 x 11 Paperback
	Aging and Chemical Resistance	Christian Bonten and Robert Berlich	Hanser Gardner	2002		1569903328				128 p, 3 x 5 Paperback
	ANTEC 2000 Conference Proceedings		SPE	2000		1566768551				3880 p, 8.5 x 11 Paperback
	ANTEC 2001 Conference Proceedings		SPE	2001		1587160986				3920 p, 8.5 x 11 Paperback
	Coloring of Plastics: Fundamentals, 2nd Ed.	Robert A. Charvat, ed.	Wiley - Interscience	2004		471139068				450 p, 7 x 10 Hardcover
	Concise Polymeric Materials Encyclopedia	Joseph C. Salamone, ed.	CRC Press	1999		84932226				1743 p, 8.5 x 11 Hardcover
	Discovering Polyurethanes	Konrad Uhlig	Hanser Gardner	1999		1569902720				183 p., 6.3 x 9 Hardcover
	Dynamic Mechanical Analysis for Plastics Engineering	Michael P. Sepe	Plastics Design Library	1998		1884207642				200 p, 8.5 x 11 Paperback
	Dynamic Mechanical Analysis: A Practical Introduction to Techniques and Applications	Kevin P. Menard	CRC Press	1999		849386888				224 p, 6 x 9 Hardcover
	Elastomer Processing: Formulas and Tables	Werner Kleeman and Kurt Weber	Hanser Gardner	1998		1569902658				214 p, 6 x 9 Paperback
	Environmental Stress Cracking of Plastics	D.C. Wright, ed.	Rapra	1996		185957064				150 p, 8.5 x 11 Paperback
	Experimental Strategies for Polymer Scientists and Plastics Engineers	Richard C. Neuman	Hanser Gardner	1997		1569902240				168 p, 6 x 9 Hardcover
	Fillers and Filled Polymers (Macromolecular Symposia 169)	Jean-Francois Gerard, ed.	Wiley - VCH	2001		3527303316				348 p, 6 x 9 Hardcover
	Foam Extrusion: Principles and Practice	Shau-Tarng Lee, ed.	Technomic	2000		1566768799				365 p, 6 x 9 Hardcover
	Glossary of Plastics Terminology in Five Languages, 5th Ed.	Wolfgang Glenz, ed.	Hanser Gardner	2001		156990328				390 p, 4.6 x 7.5 Paperback
	Handbook of Applied Polymer Processing Technology	Nicholas P. Cheremisinoff and Paul N. Cheremisinoff	Marcel Dekker	1996		0824796799				802 p., 6 x 9 Hardcover
	Handbook of Plastics Testing Technology, 2nd Ed.	Vishu Shah	Wiley - Interscience	1998		471182028				368 p, 7 x 10 Hardcover
	Handbook of Polycarbonate Science and Technology	Donald G. LeGrand and John T. Bendler, eds.	Marcel Dekker	2000		824799151				370 p, 6 x 9 Hardcover
	Handbook of Polyethylene: Structures, Properties, and Applications	Andrew J. Peacock	Marcel Dekker	2000		824795466				542 p, 6 x 9 Hardcover
	Handbook of Polyolefins, 2nd Ed.	Cornelia Vasile, ed.	Marcel Dekker	2000		824786033				1030 p, 8.5 x 11 Hardcover
	Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.	Harutun G. Karian, ed.	Marcel Dekker	2003		824740645				756 p, 6 x 9 Hardcover
	Handbook of Thermoplastics	Olagoke Olabisi, ed.	Marcel Dekker	1997		824797973				1072 p, 7 x 10 Hardcover
	In-Mould Decoration of Plastics (Rapra Review Report 146)	J.C. Love and V. Goodship	Rapra	2002		1859573282				128 p, 8.5 x 11 Paperback
	Industrial Plastics: Theory and Applications, 4th Ed.	Erik Lokensgard	Delmar	2004		1401804691				546 p, 8.5 x 11 Paperback

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	Joining of Plastics: Handbook for Designers and Engineers, 2r Ed.	Jordan Rotheiser	Hanser Gardner	2004		1569903549				6.5 x 9.5 Hardcover
	Mechanical Properties and Testing of Polymers: An A - Z Reference	G.M. Swallowe, ed.	Kluwer Academic	1999		412801701				314 p, 6 x 9 Hardcover
	Medical Plastics: Degradation Resistance & Failure Analysis	Robert C. Portnoy, ed.	Plastics Design Library	1998		188420760				220 p, 7 x 8.5 Hardcover
	Metallocene Technology in Commercial Applications	George M. Benedikt, ed.	Plastics Design Library	1999		1884207766				321 p, 7 x 8.5 Hardcover
	Metallocene-Based Polyolefins: Preparation, Properties and Technology	John Scheirs and Walter Kaminsky, eds.	John Wiley & Sons	2000		471980862				1150 p, 6 x 9 Hardcover
	Metallocene-Catalyzed Polymers: Materials, Properties, Processing & Markets	George M. Benedikt and Brian L. Goodall, eds.	Plastics Design Library	1998		1884207596				396 p, 7 x 8.5 Hardcover
	Mould Sticking, Fouling and Cleaning (Rapra Review Report 150)	David E. Packham	Rapra	2002		1859573576				116 p, 8.5 x 11 Paperback
	Performance of Plastics	Witold Brostow, ed.	Hanser Gardner	2001		1569902771				710 p, 6.5 x 9.5 Hardcover
	Plastics Failure Analysis and Prevention	John Moalli, ed.	Plastics Design Library	2001		1884207928				400 p, 7 x 8.5 Hardcover
	Plastics Technology Handbook, 3rd Ed.	Manas Chanda and Salil K. Roy	Marcel Dekker	1998		82470066				1208 p, 6 x 9 Hardcover
	Polyimides: Fundamentals & Applications	Malay K. Ghosh and K.L. Mittal, eds.	Marcel Dekker	1996		824794664				912 p, 7 x 10 Hardcover
	Polymer Devolatilization	Ramon J. Albalak	Marcel Dekker	1996		824796276				736 p, 6 x 9 Hardcover
	Polymer Extrusion, 4th Ed.	Chris Rauwendaal	Hanser Gardner	2001		1569903212				792 p, 6.5 x 9.5 Hardcover
	Polymer Mixing: A Self-Study Guide	Chris Rauwendaal	Hanser Gardner	1998		1569902232				265 p, 6.5 x 9.5 Hardcover
	Polymer Modification		Plenum Press	1997		306457148				221 p, 6.5 x 9.8 Hardcover
	Polymer Processing and Structure Development	Arthur N. Wilkinson and Anthony J. Ryan, eds.	Kluwer Academic	1999		792357728				592 p, 6.2 x 9.5 Paperback
	Polymer Processing: Principles and Design	Donald G. Baird and Dimitris I. Collias	Wiley - Interscience	1998		471254533				354 p, 8.5 x 11 Hardcover
	Polymeric Seals and Sealing Technology (Rapra Review Rep 96)	J.A. Hickman	Rapra	1995		1859570968				117 p, 8.5 x 11 Paperback
	Polyolefins 2000: The International Conference on Polyolefins		SPE	2001						768 p, 8.5 x 11 Paperback
	Polypropylene Handbook	Edward P. Moore, Jr., ed.	Hanser Gardner	1996		1569902089				439 p, 6.5 x 9.5 Hardcover
	Polypropylene: The Definitive User's Guide	Clive Maier and Teresa Calafut	Plastics Design Library	1998		1884207588				452 p, 8.5 x 11 Hardcover
	Polyurethanes in Biomedical Applications		CRC Press	1998		849345170				286 p, 7 x 10 Hardcover

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	Rosato's Plastics Encyclopedia and Dictionary	Dominick V. Rosato	Hanser Gardner	1993		1569900884				885 p, 6.5 x 9.5 Hardcover
	Rubber Processing: An Introduction	Peter S. Johnson	Hanser Gardner	2001		1569903093				158 p, 6.5 x 9.5 Hardcover
	Rubber Technology: Compounding and Testing for Performan	John S. Dick, ed.	Hanser Gardner	2001		156990278				592 p, 6.4 x 9.4 Hardcover
	Solid Phase Processing of Polymers		Hanser Gardner	2000		1569903077				428 p, 6.5 x 9.5 Hardcover
	Stabilisers for Polyolefins (Rapra Review Report 132)	C. Krohnke and F. Werner	Rapra	2001		1859572855				136 p, 8.3 x 11.5 Paperback
	Structure Formation in Polymeric Fibers	David R. Salem, ed.	Hanser Gardner	2001		1569903069				596 p, 6.4 x 9.4 Hardcover
	Thermoforming: A Plastics Processing Guide, 2nd Ed.	Geza Gruenwald	Technomic	1998		1566766257				254 p, 6 x 9 Hardcover
	Troubleshooting the Extrusion Process: A Systematic Approa to Solving Plastic Extrusion Problems	Maria del Pilar Noriega E. and Chris Rauwendaal	Hanser Gardner	2001		1569903204				168 p, 6.5 x 9.5 Hardcover
	Understanding Compounding	Robert H. Wildi and Christian Maier	Hanser Gardner	1998		1569902283				199 p, 6 x 9 Paperback
	Understanding Plastics Packaging Technology	Susan E.M. Selke	Hanser Gardner	1997		1569902348				220 p, 6 x 9 Paperback
	Whittington's Dictionary of Plastics, 3rd Ed.	James F. Carley, ed.	Technomic	1993		1566760909				575 p, 6 x 9 Hardcover

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A thru I	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Advances in Scanning Probe Microscopy of Polymers (Macromolecular Symposia 167)	Vladimir V. Tsukruk and Nicholas D. Spencer, eds.	Wiley - VCH	2001		3527303294				316 p, 6 x 9.2 Hardcover
	Analysis and Deformulation of Polymeric Materials: Paints, Plastics, Adhesives, and Inks	Jan W. Gooch	Plenum Press	1997		306455412				352 p, 6 x 9 Hardcover
	Analysis of Plastics (Rapra Review Report 149)	Martin J. Forrest	Rapra	2002		1859573339				160 p, 8.5 x 11 Paperback
	Analysis of Thermoset Materials, Precursors and Products (Rapra Review Report 162)	Martin J. Forrest	Rapra	2003		1859573908				156 p, 8.2 x 11.6 Paperback
	Analytical Polymer Rheology: Structure - Processing - Proper Relationships	Charles L. Rohn	Hanser Gardner	1995		156990149				326 p, 6.5 x 9.5 Hardcover
	ANTEC 2000 Conference Proceedings		SPE	2000		1566768551				3880 p, 8.5 x 11 Paperback
	Atlas of Plastics Additives: Analysis by Spectrometric Method	Dietrich O. Hummel	Springer	2002		3540424148				544 p, 8.2 x 10.8 Hardcover
	Characterisation of Polymers by Thermal Analysis	Wim Groenewoud	Elsevier	2001		444506047				394 p, 6.5 x 9.5 Hardcover
	Comprehensive Desk Reference of Polymer Characterization and Analysis	Robert F. Brady, ed.	Oxford University Press	2003		841236658				772 p, 8.5 x 11 Hardcover
	Dynamic Mechanical Analysis for Plastics Engineering	Michael P. Sepe	Plastics Design Library	1998		1884207642				200 p, 8.5 x 11 Paperback
	Dynamic Mechanical Analysis: A Practical Introduction to Techniques and Applications	Kevin P. Menard	CRC Press	1999		849386888				224 p, 6 x 9 Hardcover
	Experimental Strategies for Polymer Scientists and Plastics Engineers	Richard C. Neuman	Hanser Gardner	1997		1569902240				168 p, 6 x 9 Hardcover
	Guide to Materials Characterization and Chemical Analysis, 2 Ed.	John P. Sibilia, ed.	Wiley - VCH	1996		471186333				400 p, 6 x 9 Hardcover
	Handbook of Analytical Techniques, Vols. 1 & 2	Helmut Gunzler and Alex Williams, eds.	Wiley - VCH	2001		3527301658				1198 p, 6.5 x 9.5 Hardcover
	Handbook of Microemulsion Science and Technology	Promod Kumar and K.L. Mittal, eds.	Marcel Dekker	1999		824719794				860 p, 7 x 10 Hardcover
	Handbook of Plastics Analysis	Hubert Lobo and Jose V. Bonilla, eds.	Marcel Dekker	2003		824707087				656 p, 6 x 9 Hardcover
	Handbook of Plastics Testing Technology, 2nd Ed.	Vishu Shah	Wiley - Interscience	1998		471182028				368 p, 7 x 10 Hardcover
	Handbook of Polymer Testing: Short-Term Mechanical Tests	Roger Brown, ed.	Rapra	2002		185957324				220 p, 7.3 x 9.8 Paperback
	Handbook of Thermal Analysis and Calorimetry [Vol. 3: Applications to Polymers and Plastics]	Stephen Z.D. Cheng, ed.	Elsevier	2003		444512861				858 p, 6.5 x 9.5 Hardcover
	HPLC of Polymers	Harald Pasch and Bernd Trathnigg	Springer	1999		3540655514				236 p, 6 x 9.5 Paperback
	Imaging and Image Analysis Applications for Plastics	Behnam Pourdeyhimi, ed.	Plastics Design Library	1999		1884207812				315 p., 7 x 8.5 Hardcover

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	Infrared and Raman Spectroscopy of Polymers (Rapra Revie	J.L. Koenig	Rapra	2001		1859572847				148 p, 8.3 x 11.5 Paperback
	Report 134)									
	Manual of Plastics Analysis	T.R. Crompton	Plenum Press	1998		306459124				524 p, 6.5 x 9.8 Hardcover
	Materials Science of Polymers for Engineers, 2nd Ed.	Tim A. Osswald and Georg Menges	Hanser Gardner	2003		1569903484				640 p, 6.3 x 9 Hardcover
	Mechanical Properties and Testing of Polymers: An A - Z Reference	G.M. Swallowe, ed.	Kluwer Academic	1999		412801701				314 p, 6 x 9 Hardcover
	Microhardness of Polymers	F.J. Balta Calleja and S. Fakirov	Cambridge University Pr	2000		521642183				262 p, 6.8 x 9.6 Hardcover
	Microstructural Characterisation of Fibre-Reinforced Composit	John Summerscales, ed.	CRC Press	1998		849338824				334 p, 6 x 9 Hardcover
	Modern Techniques for Polymer Characterisation	R.A. Pethrick and J.V. Dawkins, eds.	John Wiley & Sons	1999		471960977				410 p, 6 x 9 Hardcover
	NMR Spectra of Polymers and Polymer Additives	Anita J. Brandolini and Deborah D. Hills	Marcel Dekker	2000		824789709				640 p, 8.5 x 11 Hardcover
	NMR Spectroscopy of Polymers in Solution and in the Solid State (ACS Symposium Series 834)	H.N. Cheng and Alan D. English, eds.	American Chemical Soci	2003		841238081				460 p, 6 x 9 Hardcover
	Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)		American Chemical Soci	2000		841236143				216 p, 6 x 9 Hardcover
	Permeability Properties of Plastics and Elastomers, 2nd Ed.: A Guide to Packaging and Barrier Materials	Liesl K. Massey	Plastics Design Library	2003		1884207979				616 p, 8.5 x 11 Hardcover
	Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)	J.P. Fouassier	Rapra	1997		1859571301				156 p, 8.5 x 11 Paperback
	Polyimides and Other High Temperature Polymers: Synthesis Characterization and Applications, Vol. 1	K.L. Mittal, ed.	VSP	2001		9067643394				330 p, 6.2 x 9.4 Hardcover
	Polyimides: Fundamentals & Applications	Malay K. Ghosh and K.L. Mittal, eds.	Marcel Dekker	1996		824794664				912 p, 7 x 10 Hardcover
	Polymer Analysis	Barbara Stuart	John Wiley & Sons	2002		47181363				302 p, 6 x 9 Paperback
	Polymer Characterization Techniques and Their Application to Blends	George P. Simon, ed.	American Chemical Soci	2003		841238189				530 p, 6 x 9.2 Hardcover
	Polymer Characterization: Laboratory Techniques and Analys	Nicholas P. Cheremisinoff	Noyes Publications	1996		815514034				264 p, 6.2 x 9.2 Hardcover
	Polymer Processing and Structure Development	Arthur N. Wilkinson and Anthony J. Ryan, eds.	Kluwer Academic	1999		792357728				592 p, 6.2 x 9.5 Paperback
	Polymer Spectroscopy: 14th European Symposium on Polym Spectroscopy (ESOPS 14)	K.-J. Eichhorn and D. Fischer, eds.	Wiley - VCH	2002		3527304746				400 p, 6 x 9 Hardcover
	Polymer Synthesis and Characterization: A Laboratory Manua		Academic Press	1998		12618240				230 p, 8.5 x 11 Paperback

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Polyurethanes in Biomedical Applications			CRC Press	1998		849345170				286 p, 7 x 10 Hardcover
Practical Problem Solving in HPLC		Stavros Kromidas	Wiley - VCH	2000		3527298428				194 p, 6.8 x 9.5 Paperback
Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural Analysis		J. Wayne Rabalais	Wiley - Interscience	2003		471202770				322 p, 6 x 9 Hardcover
Rheology of Polymeric Systems: Principles and Applications			Hanser Gardner	1997		1569902186				534 p, 6.5 x 9.5 Hardcover
Solid Phase Processing of Polymers			Hanser Gardner	2000		1569903077				428 p, 6.5 x 9.5 Hardcover
Spectroscopy of Polymers, 2nd Ed.		Jack L. Koenig	Elsevier	1999		444100318				506 p, 6.5 x 9.5 Hardcover
Spectroscopy of Rubbers and Rubbery Materials		Victor M. Litvinov and Prajna P. De, eds.	Rapra	2002		1859572804				650 p, 7.2 x 9.8 Hardcover
Surface Analysis of Polymers by XPS and Static SIMS		David Briggs	Cambridge University Pr	1998		521352223				212 p, 6.8 x 9.8 Hardcover
Surface Analysis: The Principle Techniques		John C. Vickerman, ed.	John Wiley & Sons	1997		471972924				473 p, 6 x 9 Paperback
Surface and Thin Film Analysis: A Compendium of Principles Instrumentation, and Applications		H. Bubert and H. Jenett, eds.	Wiley - VCH	2002		3527304584				354 p, 6.5 x 9.5 Hardcover
Surface Science Techniques		J.M. Walls and R. Smith, eds.	Pergamon Press	1994		80421482				196 p, 8.5 x 11 Hardcover
Theoretical and Mathematical Models in Polymer Research: Modern Methods in Polymer Research and Technology		Alexander Grosberg, ed.	Academic Press	1998		123041406				298 p, 6 x 9 Hardcover
Thermal Analysis of Polymers (Rapra Review Report 95)		M.P. Sepe	Rapra	1995		1859571077				119 p, 8.5 x 11 Paperback
Thermal Analysis: Fundamentals and Applications to Polymer Science, 2nd Ed.		T. Hatakeyama and F.X. Quinn	John Wiley & Sons	1999		471983624				190 p, 6 x 9 Hardcover

55 listings in Polymer Characterization

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	Absorbable and Biodegradable Polymers	Shalaby W. Shalaby and Karen J.L. Burg	CRC Press	2003		849314844				296 p, 6.1 x 9.2 Hardcover
	Adsorption and Nanostructures (Progress in Colloid and Polymer Science, Vol. 117)	Imre Dekany, ed.	Springer	2002		3540419462				234 p, 8.2 x 10.8 Hardcover
	ANTEC 2000 Conference Proceedings		SPE	2000		1566768551				3880 p, 8.5 x 11 Paperback
	ANTEC 2001 Conference Proceedings		SPE	2001		1587160986				3920 p, 8.5 x 11 Paperback
	Associative Polymers in Aqueous Media (ACS Symposium Series 765)	J. Edward Glass, ed.	American Chemical Soci	2000		841236593				434 p, 6 x 9 Hardcover
	Beyond Metallocenes: Next-Generation Polymerization Catalysts (ACS Symposium Series 857)	Abhimanyu O. Patil and Gregory G. Hlatky, eds.	American Chemical Soci	2003		841238383				262 p, 6 x 9 Hardcover
	Biopolymers (Rapra Review Report 159)	R.M. Johnson, L.Y. Mwaikambo, and N. Tucke	Rapra	2003		1859573797				148 p, 8.2 x 11.5 Paperback
	Chemistry and Technology of Isocyanates	Henri Ulrich	John Wiley & Sons	1996		471963712				502 p, 6 x 9 Hardcover
	Concise Polymeric Materials Encyclopedia	Joseph C. Salamone, ed.	CRC Press	1999		84932226				1743 p, 8.5 x 11 Hardcover
	Conducting Polymers and Polymer Electrolytes: From Biology Photovoltaics (ACS Symposium Series 832)	Judith F. Rubinson and Harry B. Mark, eds.	American Chemical Soci	2002		841237700				232 p, 6 x 9 Hardcover
	Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Optoelectronic Applications		Marcel Dekker	2002		824705882				884 p, 6 x 9 Hardcover
	Copolymerization: Toward a Systematic Approach	Cornel Hagiopol	Plenum Press	1999		30646179				238 p, 6 x 9 Hardcover with
	CRC Handbook of Thermodynamic Data of Copolymer Solutic	Christian Wohlfarth	CRC Press	2001		849310741				516 p, 7 x 10 Hardcover
	Crystallization of Polymers, 2nd Ed. [Vol. 1: Equilibrium Concepts]	Leo Mandelkern	Cambridge University Pr	2002		521816815				448 p, 6.8 x 9.7 Hardcover
	Diffusion in and Through Polymers: Principles and Application	W.R. Vieth	Hanser Gardner	1991		1569901066				336 p, Hardcover
	Dynamic Mechanical Analysis for Plastics Engineering	Michael P. Sepe	Plastics Design Library	1998		1884207642				200 p, 8.5 x 11 Paperback
	Emulsion Polymerisation and Latex Applications (Rapra Revi Report 160)	Christopher D. Anderson and Eric S. Daniels	Rapra	2003		1859573819				150 p, 8.2 x 11.6 Paperback
	Functionalization of Polyolefins	T.C. Mike Chung	Academic Press	2002		121746518				288 p, 6 x 9 Hardcover
	Fundamentals of Polymer Science: An Introductory Text, 2nd Ed.	P.C. Painter and M.M. Coleman	Technomic	1997		1566765595				492 p, Hardcover
	Handbook of Polycarbonate Science and Technology	Donald G. LeGrand and John T. Bendler, eds.	Marcel Dekker	2000		824799151				370 p, 6 x 9 Hardcover
	Handbook of Polyolefins, 2nd Ed.	Cornelia Vasile, ed.	Marcel Dekker	2000		824786033				1030 p, 8.5 x 11 Hardcover
	Handbook of Polyvinyl Choloride Formulating	Edward J. Wickson, ed.	Wiley - Interscience	1993		471601829				947 p, 7 x 10 Hardcover

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H thru N	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Handbook of Radical Polymerization	Krzystof Matyjaszewski and Thomas P. Davis, eds	Wiley - Interscience	2002		47139274				930 p, 6 x 9 Paperback
	Handbook of Thermoplastic Polyesters	Stoyko Fakirov, ed.	John Wiley & Sons	2002		3527301135				1416 p., 6.6 x 9.4 Hardcover
	Handbook of Thermoplastics	Olagoke Olabisi, ed.	Marcel Dekker	1997		824797973				1072 p, 7 x 10 Hardcover
	Handbook of Thermoset Plastics, 2nd Ed.	Sidney H. Goodman, ed.	Noyes Publications	1998		815514212				604 p, 6 x 9.3 Hardcover
	Heterogeneous Modification of Polymers: Matrix and Surface Reactions	Joseph Jagur-Grodzinski	John Wiley & Sons	1997		471942871				277 p, 6 x 9 CD-ROM
	HPLC of Polymers	Harald Pasch and Bernd Trathnigg	Springer	1999		3540655514				236 p, 6 x 9.5 Paperback
	Infrared and Raman Spectroscopy of Polymers (Rapra Revie Report 134)	J.L. Koenig	Rapra	2001		1859572847				148 p, 8.3 x 11.5 Paperback
	Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol. 359)	Judit E. Puskas, ed.	Kluwer Academic	1999		792358120				404 p, 6.3 x 9.5 Paperback
	Lattice Models of Polymers	Carlo Vanderzande	Cambridge University Pr	1998		521559936				232 p, 6 x 9 Paperback
	Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120	T. Nylander and B. Lindman, eds.	Springer	2002		3540430016				108 p, 8.2 x 10.8 Hardcover
	Manual of Plastics Analysis	T.R. Crompton	Plenum Press	1998		306459124				524 p, 6.5 x 9.8 Hardcover
	Materials Science of Polymers for Engineers, 2nd Ed.	Tim A. Osswald and Georg Menges	Hanser Gardner	2003		1569903484				640 p, 6.3 x 9 Hardcover
	Mechanical Properties and Testing of Polymers: An A - Z Reference	G.M. Swallowe, ed.	Kluwer Academic	1999		412801701				314 p, 6 x 9 Hardcover
	Metallocene-Based Polyolefins: Preparation, Properties and Technology	John Scheirs and Walter Kaminsky, eds.	John Wiley & Sons	2000		471980862				1150 p, 6 x 9 Hardcover
	Microhardness of Polymers	F.J. Balta Calleja and S. Fakirov	Cambridge University Pr	2000		521642183				262 p, 6.8 x 9.6 Hardcover
	Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters	John Scheirs and Timothy E. Long, eds.	John Wiley & Sons	2003		471498564				784 p, 6 x 9 Hardcover
	Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers	John Scheirs and Duane B Priddy, eds.	John Wiley & Sons	2003		471497525				792 p, 6 x 9 Hardcover
	Modern Techniques for Polymer Characterisation	R.A. Pethrick and J.V. Dawkins, eds.	John Wiley & Sons	1999		471960977				410 p, 6 x 9 Hardcover
	New Advances in Polyolefins	T.C. Chung, ed.	Plenum Press	1993		306445883				256 p, 6.5 x 9.8 Hardcover
	NMR Spectra of Polymers and Polymer Additives	Anita J. Brandolini and Deborah D. Hills	Marcel Dekker	2000		824789709				640 p, 8.5 x 11 Hardcover

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N thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Non-Conventional Polymer Dispersions: 5th Bratislava International Conference on Polymers (Macromolecular Symposia 179)	Ignac Capek, ed.	Wiley - VCH	2002		352730469				374 p, 6 x 9 Hardcover
	Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)		American Chemical Soci	2000		841236143				216 p, 6 x 9 Hardcover
	Performance of Plastics	Witold Brostow, ed.	Hanser Gardner	2001		1569902771				710 p, 6.5 x 9.5 Hardcover
	Photoinitiated Polymerization (ACS Symposium Series 847)	Kevin D. Belfield and James V. Crivello, eds.	American Chemical Soci	2003		841238138				580 p, 6 x 9 Hardcover
	Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications	Jean-Pierre Fouassier	Hanser Gardner	1995		1569901465				388 p, 6.5 x 9.5 Hardcover
	Physical Chemistry of Polymer Rheology	Junji Furukawa	Springer	2003		3540000534				294 p, 6.1 x 9.2 Hardcover
	Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, and Legislation	O.-G. Piringer and A.L. Baner, eds.	Wiley - VCH	2000		3527288686				610 p, 6.5 x 9.5 Hardcover
	Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)	A.S. Wilson	Rapra	1995		1859570614				108 p, 8.5 x 11 Paperback
	Plastics Additives Handbook, 5th Ed.	Hans Zweifel, ed.	Hanser Gardner	2001		156990295				1184 p, 5.7 x 8.2 Hardcover
	Plastics Additives: An A - Z Reference	Geoffrey Pritchard, ed.	Chapman & Hall	1998		41272720				656 p, 6 x 9 Hardcover
	Plastics Technology Handbook, 3rd Ed.	Manas Chanda and Salil K. Roy	Marcel Dekker	1998		82470066				1208 p, 6 x 9 Hardcover
	Polyimides and Other High Temperature Polymers: Synthesis Characterization and Applications, Vol. 1	K.L. Mittal, ed.	VSP	2001		9067643394				330 p, 6.2 x 9.4 Hardcover
	Polyimides and Other High Temperature Polymers: Synthesis Characterization and Applications, Vol. 2	K.L. Mittal, ed.	VSP	2003		9067643785				540 p, 6.2 x 9.4 Hardcover
	Polyimides: Fundamentals & Applications	Malay K. Ghosh and K.L. Mittal, eds.	Marcel Dekker	1996		824794664				912 p, 7 x 10 Hardcover
	Polymer Blends and Alloys	Gabriel O. Shonaike and George P. Simon, eds.	Marcel Dekker	1999		824719808				760 p, 6 x 9 Hardcover
	Polymer Blends Handbook (2 Volume Set)	Leszek A. Utracki, ed.	Kluwer Academic	2003		1402011148				1488 p, 7.6 x 10.2 Hardcove
	Polymer Characterization: Laboratory Techniques and Analys	Nicholas P. Cheremisinoff	Noyes Publications	1996		815514034				264 p, 6.2 x 9.2 Hardcover
	Polymer Data Handbook	James E. Mark	Oxford University Press	1999		195107896				1040 p, 7.5 x 9.2 Hardcover
	Polymer Devolatilization	Ramon J. Albalak	Marcel Dekker	1996		824796276				736 p, 6 x 9 Hardcover
	Polymer Mixing: A Self-Study Guide	Chris Rauwendaal	Hanser Gardner	1998		1569902232				265 p, 6.5 x 9.5 Hardcover
	Polymer Modification		Plenum Press	1997		306457148				221 p, 6.5 x 9.8 Hardcover

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P thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Polymer Modification: Principles, Techniques, and Application	John J. Meister, ed.	Marcel Dekker	2000		824700783				924 p, 6 x 9 Hardcover
	Polymer Modifiers and Additives	John T. Lutz, Jr. and Richard F. Grossman, eds	Marcel Dekker	2001		824799496				528 p, 6 x 9 Hardcover
	Polymer Nanocomposites: Synthesis, Characterization, and Modeling (ACS Symposium Series 804)	Ramanan Krishnamoorti and Richard A. Vaia, eds.	American Chemical Soci	2001		841237689				252 p, 6 x 9 Hardcover
	Polymer Processing: Principles and Design	Donald G. Baird and Dimitris I. Collias	Wiley - Interscience	1998		471254533				354 p, 8.5 x 11 Hardcover
	Polymer Yearbook 18	Richard A. Pethrick and Gennady E. Zaikov, eds.	Rapra	2003		1859573835				426 p, 7.3 x 9.8 Paperback
	Polymer-Clay Nanocomposites	Thomas J. Pinnavaia and G.W. Beall, eds.	John Wiley & Sons	2000		471637009				368 p, 6 x 9 Hardcover
	Polymeric Biomaterials, 2nd Ed.	Severian Dumitriu, ed.	Marcel Dekker	2002		824705696				1184 p, 8.5 x 11 Hardcover
	Polymeric Compatibilizers: Uses and Benefits in Polymer Ble	Sudhin Datta and David J. Lohse	Hanser Gardner	1996		1569901945				550 p, 6.5 x 9.5 Hardcover
	Polymers in Dispersed Media I (Macromolecular Symposia 15		Wiley - VCH	2000		3527301291				344 p, 6 x 9.2 Hardcover
	Polymers in Dispersed Media II (Macromolecular Symposia 1	Jerome Claverie, Marie-Therese Charreyre, and Christian Pichot, eds.	Wiley - VCH	2000		3527301305				330 p., 6 x 9.2 Hardcover
	Polypropylene Handbook	Edward P. Moore, Jr., ed.	Hanser Gardner	1996		1569902089				439 p, 6.5 x 9.5 Hardcover
	Polyurethanes Book	David Randall and Stephen Lee, eds.	John Wiley & Sons	2002		470850418				498 p, 7.5 x 10.2 Hardcover
	Processes of Fiber Formation	Zbigniew K. Walczak	Elsevier	2002		80440401				424 p, 6.5 x 9.5 Hardcover
	Resins for Surface Coatings, 2nd Ed. [Vol. 1: Acrylics & Epoxies]	P.K.T. Oldring, ed.	Wiley - SITA Technology	2001		471978949				374 p, 6.5 x 9 Hardcover
	Rheology of Polymeric Systems: Principles and Applications		Hanser Gardner	1997		1569902186				534 p, 6.5 x 9.5 Hardcover
	Spectroscopy of Polymers, 2nd Ed.	Jack L. Koenig	Elsevier	1999		444100318				506 p, 6.5 x 9.5 Hardcover
	Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, and Applications	Ya-Ping Sun, ed.	Marcel Dekker	2002		82470651				592 p, 6 x 9 Hardcover
	Surface Chemistry	Elaine M. McCash	Oxford University Press	2001		198503288				188 p, 6.5 x 9.5 Paperback
	Szycher's Handbook of Polyurethanes	Michael Szycher	CRC Press	1999		0849306027				700 p., 7 x 10 Hardcover
	Theoretical and Mathematical Models in Polymer Research: Modern Methods in Polymer Research and Technology	Alexander Grosberg, ed.	Academic Press	1998		123041406				298 p, 6 x 9 Hardcover
	Thermal Analysis of Polymers (Rapra Review Report 95)	M.P. Sepe	Rapra	1995		1859571077				119 p, 8.5 x 11 Paperback

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	Thermoforming: A Plastics Processing Guide, 2nd Ed.	Geza Gruenwald	Technomic	1998		1566766257				254 p, 6 x 9 Hardcover
	Understanding Compounding	Robert H. Wildi and Christian Maier	Hanser Gardner	1998		1569902283				199 p, 6 x 9 Paperback

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A thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Acid-Base Interactions: Relevance to Adhesion Science and Technology	K.L. Mittal and H.R. Anderson, Jr., eds.	VSP	1991		9067641359				400 p, 6.2 x 9.4 Hardcover
	Adhesion and Adhesives Technology: An Introduction, 2nd Ec	Alphonsus V. Pocius	Hanser Gardner	2002		1569903190				332 p, 6.5 x 9 Hardcover
	Advances in Scanning Probe Microscopy of Polymers (Macromolecular Symposia 167)	Vladimir V. Tsukruk and Nicholas D. Spencer, eds.	Wiley - VCH	2001		3527303294				316 p, 6 x 9.2 Hardcover
	Apparent and Microscopic Contact Angles	J. Drelich, J.S. Laskowski and K.L. Mittal, eds.	VSP	2000		9067643211				532 p, 6.6 x 9.8 Hardcover
	Applied Surface Thermodynamics	A.W. Neumann and Jan K. Spelt, eds.	Marcel Dekker	1996		824790960				659 p, 6 x 9 Hardcover
	Comprehensive Desk Reference of Polymer Characterization and Analysis	Robert F. Brady, ed.	Oxford University Press	2003		841236658				772 p, 8.5 x 11 Hardcover
	Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Optoelectronic Applications		Marcel Dekker	2002		824705882				884 p, 6 x 9 Hardcover
	Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)	David G. Castner and David W. Grainger, eds.	American Chemical Soci	2001		841236232				256 p, 6 x 9 Hardcover
	Fundamentals of Adhesion and Interfaces	D.S. Rimai, L.P. DeMejo, and K.L. Mittal, eds.	VSP	1995		9067641979				304 p, 6.2 x 9.4 Hardcover
	Handbook of Polymer-Liquid Interaction Parameters and Solubility Parameters	Allan F.M. Barton, ed.	CRC Press	1990		849335442				768 p, 7 x 10 Hardcover
	Handbook of Surface and Colloid Chemistry, 2nd Ed.	K.S. Birdi, ed.	CRC Press	2002		849310792				864 p, 7 x 10 Hardcover
	Interfacial Aspects Multicomponent Polymer Materials		Plenum Press	1997		306457180				309 p, 6.5 x 9.5 Hardcover
	Interfacial Dynamics	Nikola Kallay, ed.	Marcel Dekker	2000		824700066				750 p, 7 x 10 Hardcover
	Lattice Models of Polymers	Carlo Vanderzande	Cambridge University Pr	1998		521559936				232 p, 6 x 9 Paperback
	Lubricating Polymer Surfaces	Yoshito Ikada and Yoshikimi Uyama	Technomic	1993		1566760135				184 p, 6 x 9 Paperback
	Modern Approaches to Wettability: Theory and Applications	Malcolm E. Schrader and George I. Loeb, eds.	Plenum Press	1992		306439859				474 p, 6.5 x 10 Hardcover
	Nonionic Surfactants: Organic Chemistry	Nico M. van Os, ed.	Marcel Dekker	1998		824799976				305 p, 6 x 9 Hardcover
	Permeation through Polymers for Process Industry Application	Robert P. Campion	Materials Technology Ins	2000		444500529				160 p, 6 x 9 Hardcover
	Physical Chemistry of Surfaces, 6th Ed.	Arthur W. Adamson and Alice P. Gast	Wiley - Interscience	1997		471148733				808 p, 6 x 9 Hardcover
	Plasma Surface Modification and Plasma Polymerization	N. Inagaki	Technomic	1996		1566763371				276 p, 6 x 9 Hardcover
	Polymer Interfaces and Emulsions	Kunio Esumi, ed.	Marcel Dekker	1999		824719751				582 p, 6 x 9 Hardcover

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P thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Polymer Sorption Phenomena (Macromolecular Symposia 14!		Wiley - VCH	1999		352729905				190 p, 6 x 9 Hardcover
	Polymer Surface Modification: Relevance to Adhesion, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643270				640 p, 6.6 x 9.8 Hardcover
	Polymer Surfaces & Interfaces III	R.W. Richards and S.K. Pearce, eds.	John Wiley & Sons	1999		471982865				316 p, 6 x 9 Hardcover
	Polymer Surfaces and Interfaces: Characterization, Modificatio and Application	K.L. Mittal and K.-W. Lee, eds.	VSP	1997		9067642177				434 p, 6.2 x 9.4 Hardcover
	Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural Analysis	J. Wayne Rabalais	Wiley - Interscience	2003		471202770				322 p, 6 x 9 Hardcover
	Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd Ed.	Dawn Bonnell, ed.	Wiley - VCH	2001		47124824				512 p, 6 x 9 Hardcover
	Soft Interfaces: The 1994 Dirac Memorial Lecture	Pierre Gilles de Gennes	Cambridge University Pr	1997		521564174				128 p, 5 x 7.2 Hardcover
	Spectroscopy of Polymers, 2nd Ed.	Jack L. Koenig	Elsevier	1999		444100318				506 p, 6.5 x 9.5 Hardcover
	Surface Analysis of Polymers by XPS and Static SIMS	David Briggs	Cambridge University Pr	1998		521352223				212 p, 6.8 x 9.8 Hardcover
	Surface Science Techniques	J.M. Walls and R. Smith, eds.	Pergamon Press	1994		80421482				196 p, 8.5 x 11 Hardcover

31 listings in Polymer Surface Chemistry

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A thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Adhesion and Bonding to Polyolefins (Rapra Review Report 143)	D.M. Brewis and I. Mathieson	Rapra	2002		1859573231				136 p., 8.2 x 11.5 Paperbacl
	Adhesive Bonding	Lieng-Huang Lee, ed.	Plenum Press	1991		306434717				496 p, 6.5 x 9.7 Hardcover
	Advances in Pressure Sensitive Adhesive Technology 3	Donatas Satas, ed.	Satas & Associates	1999		963799320				240 p, 6 x 9 Hardcover
	First International Congress on Adhesion Science and Technology: Festschrift in Honor of Dr. K.L. Mittal on the Occasion of his 50th Birthday	W.J. van Ooji and H.R. Anderson, Jr., eds.	VSP	1998		9067642916				948 p, 6.2 x 9.4 Hardcover
	Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)	David G. Castner and David W. Grainger, eds.	American Chemical Soci	2001		841236232				256 p, 6 x 9 Hardcover
	Frontiers in Biomedical Polymer Applications, Vol. 1	Raphael M. Ottenbrite, ed.	Technomic	1998		1566765773				331 p, 6 x 9 Hardcover
	Handbook of Physical Vapor Deposition (PVD) Processing: Fil Formation, Adhesion, Surface Preparation and Contamination Control	Donald H. Mattox	Noyes Publications	1998		815514220				948 p, 6 x 9 Hardcover
	Handbook of Plasma Immersion Ion Implantation and Depositio	Andre Anders, ed.	John Wiley & Sons	2000		471246980				760 p, 6 x 9 Hardcover
	Low Temperature Plasma Physics: Fundamental Aspects and Applications		Wiley - VCH	2001		3527288872				530 p, 6.5 x 9.5 Hardcover
	Lubricating Polymer Surfaces	Yoshito Ikada and Yoshikimi Uyama	Technomic	1993		1566760135				184 p, 6 x 9 Paperback
	Metallization of Polymers 2	Edward Sacher, ed.	Plenum Press	2002		306472538				216 p, 6.5 x 9.7 Hardcover
	Metallized Plastics 5 & 6: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	1998		9067642908				448 p, 6.6 x 9.8 Hardcover
	Metallized Plastics 7: Fundamental and Applied Aspects	K.L. Mittal, ed.	VSP	2001		9067643408				316 p, 6.2 x 9.4 Paperback
	Metallized Plastics: Fundamentals and Applications	K.L. Mittal, ed.	Marcel Dekker	1998		824799259				392 p, 6 x 9 Hardcover
	Physical Chemistry of Surfaces, 6th Ed.	Arthur W. Adamson and Alice P. Gast	Wiley - Interscience	1997		471148733				808 p, 6 x 9 Hardcover
	Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)		Kluwer Academic	1997		792348591				542 p, 6.5 x 9.5 Hardcover
	Plasma Surface Modification and Plasma Polymerization	N. Inagaki	Technomic	1996		1566763371				276 p, 6 x 9 Hardcover
	Plasma Surface Modification of Polymers: Relevance to Adhesion	M. Strobel, C.S. Lyons, an K.L. Mittal, eds.	VSP	1994		9067641642				300 p, 6.2 x 9.4 Hardcover
	Polyimides and Other High Temperature Polymers: Synthesis Characterization and Applications, Vol. 2	K.L. Mittal, ed.	VSP	2003		9067643785				540 p, 6.2 x 9.4 Hardcover
	Polymer Modification		Plenum Press	1997		306457148				221 p, 6.5 x 9.8 Hardcover
	Polymer Surface Modification and Characterization	Chi-Ming Chan	Hanser Gardner	1994		1569901589				295 p, 6.5 x 9.5 Hardcover

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	Polymer Surface Modification: Relevance to Adhesion	K.L. Mittal, ed.	VSP	1996		9067642010				558 p, 6.2 x 9.4 Hardcover
	Polymer Surface Modification: Relevance to Adhesion, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643270				640 p, 6.6 x 9.8 Hardcover
	Polymer Surfaces & Interfaces III	R.W. Richards and S.K. Pearce, eds.	John Wiley & Sons	1999		471982865				316 p, 6 x 9 Hardcover
	Polymer Surfaces and Interfaces: Characterization, Modificatio and Application	K.L. Mittal and K.-W. Lee, eds.	VSP	1997		9067642177				434 p, 6.2 x 9.4 Hardcover
	Structural Adhesive Joints in Engineering, 2nd Ed.	R.D. Adams, J. Comyn, and W.C. Wake	Chapman & Hall	1997		412709201				370 p, 6 x 9 Hardcover
	Surface Analysis: The Principle Techniques	John C. Vickerman, ed.	John Wiley & Sons	1997		471972924				473 p, 6 x 9 Paperback
	Surface Characterization of Advanced Polymers	Luigia Sabbatini and Pier Girogio Zambonin, eds.	Wiley - VCH	1993		3527285121				319 p, 6.5 x 9.5 Hardcover
	Surface Modification of Polymeric Biomaterials	Buddy D. Ratner and Davic G. Castner, eds.	Plenum Press	1997		306455129				215 p, 6.5 x 10 Hardcover

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A thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Anilox Roll: Heart of the Flexo Process	Joseph P. Trungale	Jelmar Publishing	1997		1885067038				141 p, 8.5 x 11 Hardcover
	Color Essentials: Color and Quality for the Graphic Arts & Sciences, Vol. 1	Gary G. Field	GATF	2001		883623862				110 p, 5.5 x 8.5 Paperback
	Environmental Regulations for Printers: How to Comply with Environmental Rules While Making Your Printing Operations More Productive and Profitable	Fred Shapiro	Jelmar Publishing	2003		1885067089				964 p, 8.5 x 11 Hardcover
	FIRST: Flexographic Image Reproduction Specifications & Tolerances, 2nd Ed.		FTA	2004						0 p, 8.5 x 11 Paperback
	Flexographic Ink: A Process Approach	FFTA Staff	FTA	1998						167 p, 7 x 10 Paperback
	Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board	Joel J. Shulman, ed.	TAPPI Press	1999		898523567				60 p, 8.5 x 11 Paperback
	Flexography: Principles & Practices, 5th Ed.		FTA	2000						920 p, 8 x 10.5 Paperback
	GATF Practical Guide to Color Management, 2nd Ed.	Richard M. Adams II and Joshua B. Weisberg	GATF	2000		883622483				250 p, 7.5 x 10 Hardcover
	Handbook of Graphic Arts Equations	Manfred H. Breede	GATF	1999		883622467				248 p, 7.5 x 10 Paperback w
	Handbook of Print Media: Technologies and Manufacturing Processes	Helmut Kipphan, ed.	Springer	2001		3540673261				1228 p, 7.5 x 9.5 Hardcover
	Handbook of Printing Processes	Deborah L. Stevenson	GATF	1994		883621649				270 p, 5.5 x 8.5 Hardcover
	Ink Trapping and Colorimetric Variation	Anthony P. Stanton	GATF	2001		883623773				48 p, 8.5 x 11 Paperback
	Interfacial Dynamics	Nikola Kallay, ed.	Marcel Dekker	2000		824700066				750 p, 7 x 10 Hardcover
	Introduction to Densitometry: A User's Guide to Print Productio Measurement Using Densitometry, 2nd Ed.	Peter Brehm	Graphic Communication	1999		933505116				100 p, 7 x 10 Paperback
	Lithographers Manual, 9th Ed.	Thomas M. Destree, ed.	GATF	1994		88362169				420 p, 8.5 x 11 Hardcover
	Principles of Color Reproduction		GATF	2000		88362222				480 p, 5.5 x 8.5 Paperback
	Printing Ink and Overprint Varnish Formulations, 2nd Ed.	Ernest W. Flick	Noyes Publications	1999		815514409				144 p, 6 x 9 Hardcover
	Printing Plant Layout and Facility Design, 2nd Ed.	A. John Geis	GATF	1997		883622114				218 p, 8.5 x 11 Paperback
	Printing Technology, 5th Ed.	J. Michael Adams and Penny Ann Dolin	Delmar	2002		76682232				558 p, 7.88 x 9.13 Hardcove
	Screen Printing Primer, 2nd Ed.	Samuel Ingram	GATF	1999		883622076				152 p, 5.5 x 8.5 Paperback
	Screen Printing: A Contemporary Approach	Samuel B. Hoff	Delmar	1997		827371284				298 p, 8 x 9 Hardcover
	Statistical Sampling in the Pressroom: GATF Research & Technology Report 12	Phillip N. Hutton	GATF	1999						20 p, 8.5 x 11 Paperback

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S thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Surface Analysis of Paper	Terrance E. Conners and Sujit Banerjee, eds.	CRC Press	1995		849389925				368 p, 7 x 10 Hardcover
	Taming the Flexo Process - A Beginning, Experiment and Verification		FTA	1994						112 p, 8.5 x 11 Paperback
	Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verification	Flexo Quality Consortium	FTA	1997						50 p, 8.5 x 11 Paperback
	Taming the Flexo Process, Vol. 4: Plate Construction Project, Experiment and Verification	Flexo Quality Consortium	FTA	1999						28 p, 8.5 x 11 Paperback
	Total Production Maintenance: A Guide for the Printing Industry, 2nd Ed.	Kenneth E. Rizzo	GATF	2001		88362298				310 p, 7.5 x 10 Hardcover
	What the Printer Should Know About Ink, 3rd Ed.	Nelson R. Eldred	GATF	2001		88362284				350 p, 7.5 x 10 Hardcover

28 listings in Printing Technology

Commerce Library Index for: Proceedings

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C thru I

Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
Coatings for Asia '99 Conference Proceedings			1999		0934010471				301 pages, soft cover.
ICE '99 Annual Meeting Program Proceedings		FSCT	1999		0934010455				568 pages, soft cover.
ICE 2000 Annual Meeting Program Proceedings		FSCT	2000		0934010463				874 pages, soft cover.
ICE 2001 Annual Meeting Program Proceedings		FSCT	2001		0934010544				834 pages, soft cover.
ICE 2002 Annual Meeting Program Proceedings		FSCT	2002		0934010560				900 pages, soft cover.

5 listings in Proceedings

A thru H	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Advances in Lignocellulosics Characterization	Dimitris S. Argyropoulos, ed.	TAPPI Press	1999		898523575				390 p, 7 x 10 Paperback
	Analysis of Plastics (Rapra Review Report 149)	Martin J. Forrest	Rapra	2002		1859573339				160 p, 8.5 x 11 Paperback
	Analysis of Surfactants, 2nd Ed.	Thomas M. Schmitt	Marcel Dekker	2001		824704495				648 p, 6.8 x 10 Hardcover
	Atlas of Plastics Additives: Analysis by Spectrometric Method	Dietrich O. Hummel	Springer	2002		3540424148				544 p, 8.2 x 10.8 Hardcover
	Coated and Laminated Textiles	Walter Fung	CRC Press	2002		849314487				416 p, 6 x 9 Hardcover
	Color Essentials: Color and Quality for the Graphic Arts & Sciences, Vol. 1	Gary G. Field	GATF	2001		883623862				110 p, 5.5 x 8.5 Paperback
	CRC Materials Science and Engineering Handbook, 3rd Ed.	James F. Shackelford and William Alexander	CRC Press	2001		849326966				1950 p, 7 x 10 Hardcover
	Design Controls for the Medical Device Industry	Marie B. Teixeira and Richard Bradley	Marcel Dekker	2003		82470830				250 p, 6 x 9 Hardcover
	Engineering Procedures Handbook	Phillip A. Cloud	Noyes Publications	1997		815514107				432 p, 8.5 x 11 Hardcover
	Engineering With Rubber: How to Design Rubber Components 2nd Ed.	Alan N. Gent, ed.	Hanser Gardner	2001		1569902992				380 p, 6.5 x 9.5 Hardcover
	Experimental Characterization of Advanced Composite Materials, 3rd Ed.	Donald F. Adams, Leif A. Carlsson, and R. Byron Pipes	CRC Press	2003		1587161001				250 p, 6 x 9.2 Hardcover
	Experimental Quality: A Strategic Approach to Achieve and Improve Quality	Jiju Antony and Mike Kaye	Kluwer Academic	2000		412814404				268 p, 6 x 9 Hardcover
	FIRST: Flexographic Image Reproduction Specifications & Tolerances, 2nd Ed.		FTA	2004						0 p, 8.5 x 11 Paperback
	Guide to Materials Characterization and Chemical Analysis, 2 Ed.	John P. Sibilia, ed.	Wiley - VCH	1996		471186333				400 p, 6 x 9 Hardcover
	Guidelines for Laboratory Quality Auditing	Donald C. Singer and Ronald P. Upton	Marcel Dekker	1993		824787846				421 p, 6 x 9 Hardcover
	Handbook of Adhesive Technology, 2nd Ed.	A. Pizzi and K.L. Mittal, ed	Marcel Dekker	2003		824709861				1036 p, 7 x 10 Hardcover
	Handbook of Analytical Techniques, Vols. 1 & 2	Helmut Gunzler and Alex Williams, eds.	Wiley - VCH	2001		3527301658				1198 p, 6.5 x 9.5 Hardcover
	Handbook of Material Weathering, 3rd Ed.	George Wypych	ChemTec Publishing	2003		815514786				756 p, 6.4 x 9.2 Hardcover
	Handbook of Physical Testing of Paper, 2nd Ed., Vol 1		Marcel Dekker	2001		824704983				1040 p, 7 x 10 Hardcover
	Handbook of Plastics Analysis	Hubert Lobo and Jose V. Bonilla, eds.	Marcel Dekker	2003		824707087				656 p, 6 x 9 Hardcover
	Handbook of Polymer Testing: Short-Term Mechanical Tests	Roger Brown, ed.	Rapra	2002		185957324				220 p, 7.3 x 9.8 Paperback

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H thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Handbook of Pulping and Papermaking, 2nd Ed.	Christopher J. Biermann	Academic Press	1996		120973626				782 p, 7 x 10 Hardcover
	Handbook of Raman Spectroscopy: From the Research Laboratory to the Process Line	Ian R. Lewis and Howell G.M. Edwards, eds.	Marcel Dekker	2001		824705572				1074 p, 7 x 10 Hardcover
	Handbook of Surfactant Analysis: Chemical, Physico-Chemic and Physical Methods	Dieter O. Hummel	John Wiley & Sons	2000		471720461				412 p, 7.5 x 9.5 Hardcover
	Handbook of Total Quality Management	Christian N. Madu, ed.	Kluwer Academic	1998		41275360				834 p, 6 x 9 Hardcover
	How to Assure Quality in Plastics	Merry Keating	Hanser Gardner	1995		1569901805				231 p, 6.2 x 9 Hardcover
	HPLC of Polymers	Harald Pasch and Bernd Trathnigg	Springer	1999		3540655514				236 p, 6 x 9.5 Paperback
	Implementing Six Sigma: Smarter Solutions Using Statistical Methods, 2nd Ed.	Forrest W. Breyfogle III	John Wiley & Sons	2003		471265721				1226 p, 6 x 9 Hardcover
	Introduction to Densitometry: A User's Guide to Print Productio Measurement Using Densitometry, 2nd Ed.	Peter Brehm	Graphic Communication	1999		933505116				100 p, 7 x 10 Paperback
	Laboratory Quality Assurance System: A Manual of Quality Procedures and Forms, 3rd Ed.	Thomas A. Ratliff	Wiley - Interscience	2003		471269182				244 p, 8.5 x 11 Paperback w
	Medical Device Reliability and Associated Areas	B.S. Dhillion	CRC Press	2000		849303125				256 p, 6 x 9 Hardcover
	Modern Characterization Methods of Surfactant Systems	Bernard P. Binks, ed.	Marcel Dekker	1999		824719786				610 p, 6 x 9 Hardcover
	Optical Methods of Measurement: Wholefield Techniques	Rajpal S. Sirohi and Fook Siong Chau	Marcel Dekker	1999		824760034				338 p, 6 x 9 Hardcover
	Packaging: Specifications, Purchasing, and Quality Control, 4t Ed.	Edmund A. Leonard	Marcel Dekker	1996		824797558				304 p, 6 x 9 Hardcover
	Particle and Surface Characterisation Methods	R.H. Muller and W. Mehnert, eds.	CRC Press	1998		3887630572				280 p, Hardcover
	Physical Testing of Textiles	B.P. Saville	Woodhead	1999		849305683				326 p, 6 x 9 Hardcover
	Plantwide Process Control	Kelvin T. Erickson and John L. Hedrick	Wiley - Interscience	1999		471178357				560 p, 7 x 10 Hardcover
	Plastics Failure Analysis and Prevention	John Moalli, ed.	Plastics Design Library	2001		1884207928				400 p, 7 x 8.5 Hardcover
	Practical Color Measurement: A Primer for the Beginner, A Reminder for the Expert	Annie Berger-Schunn	Wiley - Interscience	1994		471004170				190 p, 6 x 9 Hardcover
	Practical Problem Solving in HPLC	Stavros Kromidas	Wiley - VCH	2000		3527298428				194 p, 6.8 x 9.5 Paperback
	Probability, Statistics, and Reliability for Engineers and Scientists, 2nd Ed.	Bilal M. Ayyub and Richar H. McCuen	Chapman & Hall	2002		1584882867				650 p, 6 x 9 Hardcover
	Properties of Paper: An Introduction, 2nd Ed.		TAPPI Press	1995		898520622				209 p, 7 x 10 Paperback

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Q thru V Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.	Karl Mahall	Springer	2003		3540440720				260 p, 6.5 x 9.6 Hardcover
Quality Assurance in Adhesive Technology	EUREKA Project EU716	Abington Publications	1998		1855732599				168 p, 8.2 x 11.5 Paperback
Quality Engineering Handbook, 2nd Ed.	Thomas Pyzdek (edited by Paul A. Keller)	Marcel Dekker	2003		824746147				744 p, 8.5 x 11 Hardcover
Rheology in Plastics Quality Control	John M. Dealy and Peter C. Saucier	Hanser Gardner	2000		1569902860				152 p, 6.5 x 9.5 Hardcover v
Rubber Technology: Compounding and Testing for Performan	John S. Dick, ed.	Hanser Gardner	2001		156990278				592 p, 6.4 x 9.4 Hardcover
Scanning Probe Microscopes: Applications in Science and Technology	K.S. Birdi	CRC Press	2003		849309301				328 p, 6.1 x 9.2 Hardcover
Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd Ed.	Dawn Bonnell, ed.	Wiley - VCH	2001		47124824				512 p, 6 x 9 Hardcover
Six Sigma and Beyond, Vol. VII: The Implemenation Process	D.H. Stamatis	St. Lucie Press	2003		157444316				652 p, 6 x 9.2 Hardcover
SPC: Statistical Process Control in Injection Molding and Extrusion	Chris Rauwendaal	Hanser Gardner	2000		1569902852				248 p, 6.5 x 9.5 Hardcover
Statistical Methods for the Process Industries	William H. McNeese and Robert A. Klein	Marcel Dekker	1991		82478524				528 p, 8.5 x 11 Paperback
Statistical Sampling in the Pressroom: GATF Research & Technology Report 12	Phillip N. Hutton	GATF	1999						20 p, 8.5 x 11 Paperback
Surface and Thin Film Analysis: A Compendium of Principles Instrumentation, and Applications	H. Bubert and H. Jenett, eds.	Wiley - VCH	2002		3527304584				354 p, 6.5 x 9.5 Hardcover
Surface Characterization: A User's Sourcebook		Wiley - VCH	1997		3527288430				716 p, 6.7 x 9.5 Hardcover
TAPPI 2002 - 2003 Test Methods		TAPPI Press	2002		1930657935				0 p, 8.5 x 11 Paperback
Total Production Maintenance: A Guide for the Printing Industry 2nd Ed.	Kenneth E. Rizzo	GATF	2001		88362298				310 p, 7.5 x 10 Hardcover
Understanding Design of Experiments: A Primer for Technologists	R.J. Del Vecchio	Hanser Gardner	1997		1569902224				187 p, 6 x 9 Paperback
Validating Medical Packaging	Ronald Pilchik	CRC Press	2003		1566768071				160 p, 6 x 9 Hardcover

59 listings in QA/QC, Statistics, and Testing

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Commerce Library Index for: Quality Assurance

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B thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Benchmarking:Search for Industry Best Practices		ASQC	1989		0527916358				299 pages, hardbound
	ISO 9000 Guidelines for the Chemical & Process Industries		ASQC	1996		0873893522				150 pages, soft cover.
	ISO 9000 Implementation for Small Businesses		ASQC	1996		0873893506				209 pages, hardbound
	Let's Work Smarter, Not Harder			1997		0873893867				280 pages, hardbound.
	Quality Audit Handbook, 2nd Edition		ASQC	1999	2nd Edition	087389460				218 pages, hardbound.
	SPC Essentials and Productivity Improvement		ASQC	1997		0873893727				266 pages, hardbound.
	TQM: A Step-by-Step Guide to Implementation		ASQC	1991		0873891163				235 pages, hardbound.

7 listings in Quality Assurance

Commerce Library Index for: Raw Materials

sorted by subject **R**

18-Jan-04 **Filter: Complete Shopping List**

F thru O	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Functional Index Series: Index of Anti-Microbials		Gower	1996		0566078163				468 pages.
	Functional Index Series: Index of Flame Retardants		Gower	1997		0566078856				305 pages.
	Functional Index Series: Index of Solvents		Gower	1996		0566078848				589 pages, hard bound
	Organic Pigments, 3rd Ed.		FSCT	2000	3rd Edition	0934010358				44 pages, soft cover

4 listings in Raw Materials

A thru F	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Additives for Plastics Handbook, 2nd Ed.	John Murphy	Elsevier	2001		1856173704				494 p, 6.1 x 9.2 Hardcover
	Adhesion Science and Engineering: Vol. 1 - The Mechanics of Adhesion; Vol. 2 - Surfaces, Chemistry and Applications		Elsevier	2002		444511407				2020 p, 6.5 x 9.5 Hardcover
	Adhesive Joints: Formation, Characteristics and Testing, Vol.	K.L. Mittal, ed.	VSP	2002		9067643718				408 p, 6.2 x 9.4 Hardcover
	Adsorption and Aggregation of Surfactants in Solution	K.L. Mittal and Dinesh O. Shah, eds.	Marcel Dekker	2003		824708431				712 p, 6 x 9 Hardcover
	Analyses of Hazardous Substances in Air, Vol. 5	Antonius Kettrup, ed.	Wiley - VCH	2002		3527270469				250 p, 6.5 x 9.5 Hardcover
	Beyond Metallocenes: Next-Generation Polymerization Catalysts (ACS Symposium Series 857)	Abhimanyu O. Patil and Gregory G. Hlatky, eds.	American Chemical Soci	2003		841238383				262 p, 6 x 9 Hardcover
	Characterisation of Polymers by Thermal Analysis	Wim Groenewoud	Elsevier	2001		444506047				394 p, 6.5 x 9.5 Hardcover
	Chemical Product Design	E.L. Cussler and G.D. Moggridge	Cambridge University Pr	2001		521796334				248 p, 7 x 10 Paperback
	Chemical Protective Clothing Performance Index, 2nd Ed.	Krister Forsberg and Lawrence H. Keith	Wiley - Interscience	1999		471328448				650 p, 7 x 10 Hardcover
	Coatings of Polymers and Plastics	Rose A. Ryntz and Philip V. Yaneff, eds.	Marcel Dekker	2003		824708946				370 p, 6 x 9 Hardcover
	Colloid Chemistry II	Markus Antonietti, ed.	Springer	2003		3540004181				240 p, 6 x 9.3 Hardcover
	Conducting Polymers and Polymer Electrolytes: From Biology Photovoltaics (ACS Symposium Series 832)	Judith F. Rubinson and Harry B. Mark, eds.	American Chemical Soci	2002		841237700				232 p, 6 x 9 Hardcover
	Craft of Scientific Writing, 3rd Ed.	Michael Alley	Springer	1996		387947663				297 p, 6 x 9 Paperback
	Crystallization of Polymers, 2nd Ed. [Vol. 1: Equilibrium Concepts]	Leo Mandelkern	Cambridge University Pr	2002		521816815				448 p, 6.8 x 9.7 Hardcover
	Developments in Colorants for Plastics (Rapra Review Report 157)	Ian N. Christensen	Rapra	2003		1859573738				120 p, 8.2 x 11.5 Paperback
	Dynamics of Molecule Surface Interactions	Gert Due Billing	Wiley - Interscience	2000		471331082				246 p, 6 x 9 Hardcover
	Emulsion Science: Basic Principles, An Overview		Springer	2002		3540436820				148 p, 6.1 x 9.2 Hardcover
	Experimental Methods in the Physical Sciences [Vol. 38: Advances in Surface Science]	Hari Singh Nalwa, ed.	Academic Press	2001		124759858				468 p, 6 x 9 Hardcover
	Filing Patents Online: A Professional Guide	Sarfaraz K. Niazi	CRC Press	2003		849316243				450 p, 6 x 9.2 Paperback
	Film Processing	Toshitaka Kanai and Gregory A. Campbell, eds.	Hanser Gardner	1999		1569902526				400 p, 6.5 x 9.5 Hardcover
	Fire and Explosion Hazards Handbook of Industrial Chemicals	Tatyana A. Davletshina and Nicholas P. Cheremisinoff	Noyes Publications	1998		815514298				494 p, 7 x 10 Hardcover

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F thru M	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Functionalization of Polyolefins	T.C. Mike Chung	Academic Press	2002		121746518				288 p, 6 x 9 Hardcover
	Fundamentals of Polymer Science: An Introductory Text, 2nd Ed.	P.C. Painter and M.M. Coleman	Technomic	1997		1566765595				492 p, Hardcover
	Handbook of Adhesives and Sealants	Edward M. Petrie	McGraw-Hill	2000		70498881				902 p, 6 x 9 Hardcover
	Handbook of Adhesives and Sealants in Construction	Joseph S. Amstock	McGraw-Hill	2001		7001616				656 p, 6 x 9 Hardcover
	Handbook of Aqueous Solubility Data	Samuel H. Yalkowsky and Yan He	CRC Press	2003		849315328				1512 p, 7 x 10 Hardcover
	Handbook of Plastic Films	Elsayed M. Abdel-Bary, ed	Rapra	2003		185957338				416 p, 7.3 x 10 Paperback
	Handbook of Radical Polymerization	Krzystof Matyjaszewski and Thomas P. Davis, eds	Wiley - Interscience	2002		47139274				930 p, 6 x 9 Paperback
	Handbook of Solubility Parameters and Other Cohesion Parameters, 2nd Ed.	Allan F.M. Barton, ed.	CRC Press	1991		849301769				766 p, 7 x 10 Hardcover
	Handbook of Thermal Analysis and Calorimetry [Vol. 3: Applications to Polymers and Plastics]	Stephen Z.D. Cheng, ed.	Elsevier	2003		444512861				858 p, 6.5 x 9.5 Hardcover
	How to Assure Quality in Plastics	Merry Keating	Hanser Gardner	1995		1569901805				231 p, 6.2 x 9 Hardcover
	How to Make Patent Drawings Yourself, 3rd Ed.	David Pressman and Jack Lo	Nolo Press	2001		873377885				258 p, 8.5 x 11 Paperback
	Indexing: A Nuts-and-Bolts Guide for Technical Writers	Kurt Ament	William Andrew	2001		815514816				108 p, 6.7 x 9 Paperback
	Industrial Fire Safety Guidebook	Tatyana A. Davletshina	Noyes Publications	1998		815514204				540 p, 6 x 9 Hardcover
	Interfacial Supramolecular Assemblies	Johannes G. Vos, Robert J. Forster, and Tia E. Keye	John Wiley & Sons	2003		471490717				328 p, 7.4 x 9.7 Hardcover
	Introduction to Surface Analysis by XPS and AES	John F. Watts and John Wolstenholme	John Wiley & Sons	2003		470847131				224 p, 6 x 9 Paperback
	Introduction to Tribology	Bharat Bhushan	John Wiley & Sons	2002		471158933				752 p, 6 x 9 Hardcover
	Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol. 359)	Judit E. Puskas, ed.	Kluwer Academic	1999		792358120				404 p, 6.3 x 9.5 Paperback
	Laboratory Health & Safety Dictionary	W. Carl Gottschall and Douglas B. Walters	John Wiley & Sons	2001		471283177				468 p, 6 x 9 Paperback
	Laboratory Quality Assurance System: A Manual of Quality Procedures and Forms, 3rd Ed.	Thomas A. Ratliff	Wiley - Interscience	2003		471269182				244 p, 8.5 x 11 Paperback w
	Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120	T. Nylander and B. Lindman, eds.	Springer	2002		3540430016				108 p, 8.2 x 10.8 Hardcover
	Metallic Pigments in Polymers	Ian Wheeler	Rapra	1999		1859571662				248 p, 7.2 x 9.7 Hardcover

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M thru P	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters	John Scheirs and Timothy E. Long, eds.	John Wiley & Sons	2003		471498564				784 p, 6 x 9 Hardcover
	Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers	John Scheirs and Duane B Priddy, eds.	John Wiley & Sons	2003		471497525				792 p, 6 x 9 Hardcover
	Molecular Adhesion and Its Applications: The Sticky Universe	Kevin Kendall	Plenum Press	2001		306465205				448 p, 6 x 9 Hardcover
	Molecular Organisation on Interfaces (Progress in Colloid and Polymer Science, Vol. 121)	G. Lagaly, ed.	Springer	2002		3540436375				120 p, 8.3 x 11 Hardcover
	Motion of Bubbles and Drops in Reduced Gravity	R. Shankar Subramanian and R. Balasubramaniam	Cambridge University Pr	2001		521496055				488 p, 7 x 10 Hardcover
	Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials	Gero Decher and Joseph B. Schlenoff, eds.	Wiley - VCH	2003		3527304401				544 p, 6.5 x 9.5 Hardcover
	New Product Development: From Initial Idea to Product Management	Marc A. Annacchino	Elsevier	2003		750677325				600 p, 7 x 9.2 Hardcover
	NMR Spectroscopy of Polymers in Solution and in the Solid State (ACS Symposium Series 834)	H.N. Cheng and Alan D. English, eds.	American Chemical Soci	2003		841238081				460 p, 6 x 9 Hardcover
	Non-Conventional Polymer Dispersions: 5th Bratislava International Conference on Polymers (Macromolecular Symposia 179)	Ignac Capek, ed.	Wiley - VCH	2002		352730469				374 p, 6 x 9 Hardcover
	Noncontact Atomic Force Microscopy	S. Morita, R. Wiesendanger, and E. Meyer, eds.	Springer	2002		3540431179				460 p, 6 x 9.2 Hardcover
	Novel Methods to Study Interfacial Layers	D. Mobius and R. Miller, eds.	Elsevier	2001		444509488				536 p, 6.5 x 9.5 Hardcover
	Optical Methods of Measurement: Wholefield Techniques	Rajpal S. Sirohi and Fook Siong Chau	Marcel Dekker	1999		824760034				338 p, 6 x 9 Hardcover
	Particulate Fillers for Polymers (Rapra Review Report 141)	R.N. Rothon	Rapra	2002		185957310				160 p, 8.2 x 11.5 Paperback
	Patent and Trademark Tactics and Practice, 3rd Ed.	David A. Burge	John Wiley & Sons	1999		471329320				298 p, 6 x 9 Hardcover
	Patent Fundamentals for Scientists and Engineers, 2nd Ed.	Thomas T. Gordon and Arthur S. Cookfair	Lewis Publishers	2000		1566705177				168 p, 6 x 9 Paperback
	Patent Searching Made Easy: Patent Searches on the Internet and in the Library, 2nd Ed.	D. Hitchcock	Nolo Press	2000		873375548				192 p, 8.5 x 11 Paperback
	Physical Chemistry of Polymer Rheology	Junji Furukawa	Springer	2003		3540000534				294 p, 6.1 x 9.2 Hardcover
	Physical Properties of Lipids	Alejandro Marangoni and Suresh Narine, eds.	Marcel Dekker	2002		824700058				600 p, 6 x 9 Hardcover
	Plastics Additives, 3rd Ed. [Vol 2: An Industry Guide]	Ernest W. Flick	Noyes Publications	2001		815514727				270 p, 6 x 9 Hardcover

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P thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Plastics Additives, 3rd Ed. [Vol 3: An Industry Guide]	Ernest W. Flick	Noyes Publications	2001		815514700				160 p, 6 x 9 Hardcover
	Polymer Analysis	Barbara Stuart	John Wiley & Sons	2002		47181363				302 p, 6 x 9 Paperback
	Polymer Blends and Alloys	Gabriel O. Shonaike and George P. Simon, eds.	Marcel Dekker	1999		824719808				760 p, 6 x 9 Hardcover
	Polymer Blends Handbook (2 Volume Set)	Leszek A. Utracki, ed.	Kluwer Academic	2003		1402011148				1488 p, 7.6 x 10.2 Hardcove
	Polymer Characterization Techniques and Their Application to Blends	George P. Simon, ed.	American Chemical Soci	2003		841238189				530 p, 6 x 9.2 Hardcover
	Polymer Modification: Principles, Techniques, and Application	John J. Meister, ed.	Marcel Dekker	2000		824700783				924 p, 6 x 9 Hardcover
	Polymer Spectroscopy: 14th European Symposium on Polym Spectroscopy (ESOPS 14)	K.-J. Eichhorn and D. Fischer, eds.	Wiley - VCH	2002		3527304746				400 p, 6 x 9 Hardcover
	Polymer Yearbook 18	Richard A. Pethrick and Gennady E. Zaikov, eds.	Rapra	2003		1859573835				426 p, 7.3 x 9.8 Paperback
	Polyurethanes Book	David Randall and Stephen Lee, eds.	John Wiley & Sons	2002		470850418				498 p, 7.5 x 10.2 Hardcover
	Practical Design and Production of Optical Thin Films, 2nd Ed	Ronald R. Willey	Marcel Dekker	2002		824708490				560 p, 6 x 9 Hardcover
	Practical Guide to Chemical Safety Testing: Regulatory Consequences - Chemicals, Food Packaging and Medical Devices	Derek J. Night and Mike B. Thomas, eds.	Rapra	2003		185957372				468 p, 7.2 x 9.8 Paperback
	Practical Guide to Surface Science and Spectroscopy	Yip-Wah Chung	Academic Press	2001		121746100				200 p, 6 x 9 Hardcover with
	Preparing Scientific Illustrations: A Guide to Better Posters, Presentations, and Publications, 2nd Ed.	Mary Helen Briscoe	Springer	1996		387945814				216 p, 7 x 10 Paperback
	Principles and Applications of Tribology	Bharat Bhushan	John Wiley & Sons	1999		471594075				1040 p, 6 x 9 Hardcover
	Quality Engineering Handbook, 2nd Ed.	Thomas Pyzdek (edited by Paul A. Keller)	Marcel Dekker	2003		824746147				744 p, 8.5 x 11 Hardcover
	Research and Development Management in the Chemical and Pharmaceutical Industry, 2nd Ed.	Peter Bamfield	Wiley - VCH	2003		3527306676				280 p, 6.6 x 9.5 Hardcover
	Resins for Surface Coatings, 2nd Ed. [Vol. 2: Alkyds & Polyesters]	P.K.T. Oldring, ed.	Wiley - SITA Technology	2001		471978957				226 p, 6.5 x 9 Hardcover
	Rubber Curing Systems (Rapra Review Report 144)	R.N. Datta	Rapra	2002		1859573266				152 p, 8.2 x 11.5 Paperback
	Rubber Technologist's Handbook	Jim R. White and Sadhan K. De, eds.	Rapra	2002		1859572626				596 p, 7.2 x 9.8 Hardcover
	Science and Engineering of Droplets: Fundamentals and Applications	Huimin Liu	Noyes Publications	2000		815514360				540 p, 6 x 9.2 Hardcover

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S thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Solid-Liquid Interfaces: Macroscopic Phenomena - Microscopi Understanding	K. Wandelt and S. Thurgate, eds.	Springer	2003		3540425837				460 p, 6 x 9.2 Hardcover
	Solvent Mixtures: Properties and Selective Solvation	Yizhak Marcus	Marcel Dekker	2002		824708377				278 p, 6 x 9 Hardcover
	Solvents and Solvent Effects in Organic Chemistry, 3rd Ed.	Christian Reichardt	Wiley - VCH	2003		3527306188				656 p, 6.5 x 0.5 Hardcover
	Structure - Performance Relationships in Surfactants, 2nd Ed.	Kunio Esumi and Minoru Ueno, eds.	Marcel Dekker	2003		824740440				810 p, 6 x 9 Hardcover
	Surface Active Behaviour of Performance Surfactants	David R. Karsa, ed.	Sheffield Academic	2000		849305055				218 p, 6 x 9.1 Hardcover
	Surface and Colloid Science (Progress in Colloid and Polymer Science, Vol. 116)	T. Razamus, B. Lindman, and T. Nylander, eds.	Springer	2001		354067814				166 p, 8.2 x 10.8 Hardcover
	Technical Graphics Communication, 3rd Ed.	Gary R. Bertoline and Eric N. Wiebe	McGraw-Hill	2003		73655988				1312 p, 8.5 x 10 Hardcover
	Understanding Color Management	Abhay Sharma	Delmar	2004		1401814476				380 p, 7.4 x 9.2 Paperback
	Van der Waals Complexes in Supersonic Beams: Laser Spectroscopy of Neutral-Neutral Interactions	Jaroslaw Koperski	Wiley - VCH	2003		3527403841				234 p, 6.5 x 9.5 Hardcover
	Water-Based Paint Formulations, Vol. 4	Ernest W. Flick	Noyes Publications	1997		815514158				268 p, 6 x 9 Hardcover
	Wiley's English-Spanish/Spanish-English Chemistry Dictionar Diccionario de Quimica Ingles-Espanol, Espanol-Ingles	Steven M. Kaplan	Wiley - Interscience	1998		471249238				537 p, 7 x 10 Paperback

92 listings in Recommend this Site

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G thru P	Title	Author	Publisher - Location - Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Gardner's Chemical Synonyms and Trade Names		Gower 1999		0566081903				1418 pages, hardbound
	Painting and Decorating Craftsman's Manual	0915050005	PDCA 1995		0915050005				362 pages, hardbound.

2 listings in Reference

A thru I	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Adsorption and Aggregation of Surfactants in Solution	K.L. Mittal and Dinesh O. Shah, eds.	Marcel Dekker	2003		824708431				712 p, 6 x 9 Hardcover
	Advanced Cleaning Product Formulations, Vol. 5	E.W. Flick	Noyes Publications	1999		81551431				254 p, 6 x 9 Hardcover
	Analysis of Surfactants, 2nd Ed.	Thomas M. Schmitt	Marcel Dekker	2001		824704495				648 p, 6.8 x 10 Hardcover
	Clean Solvents: Alternative Media for Chemical Reactions and Processing (ACS Symposium Series 819)	Martin A. Abraham and Luc Moens, eds.	American Chemical Soci	2002		841237794				286 p, 6 x 9 Hardcover
	CRC Handbook of Thermodynamic Data of Copolymer Solutic	Christian Wohlfarth	CRC Press	2001		849310741				516 p, 7 x 10 Hardcover
	Diffusion in and Through Polymers: Principles and Application	W.R. Vieth	Hanser Gardner	1991		1569901066				336 p, Hardcover
	Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications	Hiroyuki Ohshima and Kunio Furusawa, eds.	Marcel Dekker	1998		824790391				645 p, 7 x 10 Hardcover
	Environmental Stress Cracking of Plastics	D.C. Wright, ed.	Rapra	1996		185957064				150 p, 8.5 x 11 Paperback
	Experimental Determination of Solubilities	G.T. Hefter and R.P.T. Tomkins, eds.	John Wiley & Sons	2003		471497088				658 p, 6 x 9 Hardcover
	Food Packaging: Testing Methods and Applications (ACS Symposium Series 753)	Sara J. Risch, ed.	American Chemical Soci	2000		841236178				174 p, 6 x 9 Hardcover
	Formulation Technology: Emulsions, Suspensions, Solid Forr		Wiley - VCH	2001		3527302018				446 p, 6.7 x 9.4 Hardcover
	Green Solvents for Chemistry: Perspectives and Practice	William M. Nelson	Oxford University Press	2003		195157362				400 p, 6 x 9.2 Hardcover
	Handbook for Critical Cleaning	Barbara Kanegsberg and Edward Kanegsberg, eds.	CRC Press	2001		849316553				680 p, 7 x 10 Hardcover
	Handbook of Applied Surface and Colloid Chemistry, Vols. 1 and 2	Krister Holmberg, ed.	John Wiley & Sons	2002		471490830				1110 p, 7.4 x 9.7 Hardcover
	Handbook of Aqueous Solubility Data	Samuel H. Yalkowsky and Yan He	CRC Press	2003		849315328				1512 p, 7 x 10 Hardcover
	Handbook of Microemulsion Science and Technology	Promod Kumar and K.L. Mittal, eds.	Marcel Dekker	1999		824719794				860 p, 7 x 10 Hardcover
	Handbook of Polymer-Liquid Interaction Parameters and Solubility Parameters	Allan F.M. Barton, ed.	CRC Press	1990		849335442				768 p, 7 x 10 Hardcover
	Handbook of Solubility Parameters and Other Cohesion Parameters, 2nd Ed.	Allan F.M. Barton, ed.	CRC Press	1991		849301769				766 p, 7 x 10 Hardcover
	Handbook of Surfactant Analysis: Chemical, Physico-Chemic and Physical Methods	Dieter O. Hummel	John Wiley & Sons	2000		471720461				412 p, 7.5 x 9.5 Hardcover
	Industrial Solvents Handbook, 2nd Ed.	Nicholas P. Cheremisinoff	Marcel Dekker	2003		824740335				358 p, 6 x 9 Hardcover
	Industrial Solvents Handbook, 5th Ed.	Ernest W. Flick	Noyes Publications	1998		815514131				996 p, 8.5 x 11 Hardcover

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Commerce Library Index for: Solubility and Surfactants

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I thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Ionic Liquids in Synthesis	Peter Wasserscheid and Tom Welton, eds.	Wiley - VCH	2003		3527305157				380 p, 9.4 x 0 Hardcover
	Liquid Interfaces in Chemistry and Biology		Wiley - Interscience	1998		471148725				562 p, 6 x 9 Hardcover
	Modern Aspects of Emulsion Science	Bernard P. Binks, ed.	Royal Society of Chemist	1998		854044396				442 p, 6 x 9 Hardcover
	Modern Characterization Methods of Surfactant Systems	Bernard P. Binks, ed.	Marcel Dekker	1999		824719786				610 p, 6 x 9 Hardcover
	New Products and Applications in Surfactant Technology	David R. Karsa, ed.	Sheffield Academic	1998		849397383				245 p, 6 x 9 Hardcover
	Nonionic Surfactants: Organic Chemistry	Nico M. van Os, ed.	Marcel Dekker	1998		824799976				305 p, 6 x 9 Hardcover
	Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.	Krister Holmberg, ed.	Marcel Dekker	2003		824743008				648 p, 6 x 9 Hardcover
	Organic Ion Radicals: Chemistry and Applications	Zory V. Todres	Marcel Dekker	2003		824708105				456 p, 7 x 10 Hardcover
	Resins for Coatings: Chemistry, Properties, and Applications	Dieter Stoye and Werner Freitag, eds.	Hanser Gardner	1996		1569902097				475 p, 6.5 x 9.3 Hardcover
	Solubility and Solubilization in Aqueous Media	Samuel H. Yalkowsk	American Chemical Soci	1999		841235767				496 p, 6.1 x 9.2 Hardcover
	Solvent Mixtures: Properties and Selective Solvation	Yizhak Marcus	Marcel Dekker	2002		824708377				278 p, 6 x 9 Hardcover
	Solvents and Solvent Effects in Organic Chemistry, 3rd Ed.	Christian Reichardt	Wiley - VCH	2003		3527306188				656 p, 6.5 x 0.5 Hardcover
	Structure - Performance Relationships in Surfactants, 2nd Ed.	Kunio Esumi and Minoru Ueno, eds.	Marcel Dekker	2003		824740440				810 p, 6 x 9 Hardcover
	Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, and Applications	Ya-Ping Sun, ed.	Marcel Dekker	2002		82470651				592 p, 6 x 9 Hardcover
	Surface Active Behaviour of Performance Surfactants	David R. Karsa, ed.	Sheffield Academic	2000		849305055				218 p, 6 x 9.1 Hardcover
	Surfactants and Polymers in Drug Delivery	Martin Malmsten	Marcel Dekker	2002		824708040				356 p, 6 x 9 Hardcover
	Surfactants in Polymers, Coatings, Inks, and Adhesives	David R. Karsa, ed.	Blackwell Publishing	2003		84932808				320 p, 6.1 x 9.2 Hardcover
	Surfactants: Chemistry, Interfacial Properties, Applications	V.B. Fainerman, D. Mobius, and R. Miller, eds	Elsevier	2001		444509623				678 p, 6.5 x 9.5 Hardcover v

39 listings in Solubility and Surfactants

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Commerce Library Index for: Surface Characterization and Analysis

sorted by subject **S**

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A thru M	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Acid-Base Interactions: Relevance to Adhesion Science and Technology, Vol. 2	K.L. Mittal, ed.	VSP	2000		9067643254				636 p, 6.6 x 9.8 Hardcover
	Adhesion and Adhesives Technology: An Introduction, 2nd Ec	Alphonsus V. Pocius	Hanser Gardner	2002		1569903190				332 p, 6.5 x 9 Hardcover
	Adhesive Bonding	Lieng-Huang Lee, ed.	Plenum Press	1991		306434717				496 p, 6.5 x 9.7 Hardcover
	Adsorption: Theory, Modeling, and Analysis	Jozsef Toth, ed.	Marcel Dekker	2002		824707478				890 p, 7 x 10 Hardcover
	Advances in Scanning Probe Microscopy of Polymers (Macromolecular Symposia 167)	Vladimir V. Tsukruk and Nicholas D. Spencer, eds.	Wiley - VCH	2001		3527303294				316 p, 6 x 9.2 Hardcover
	Apparent and Microscopic Contact Angles	J. Drelich, J.S. Laskowski and K.L. Mittal, eds.	VSP	2000		9067643211				532 p, 6.6 x 9.8 Hardcover
	Chemical Properties of Material Surfaces	Marek Kosmulski	Marcel Dekker	2001		824705602				768 p, 7 x 10 Hardcover
	Comprehensive Desk Reference of Polymer Characterization and Analysis	Robert F. Brady, ed.	Oxford University Press	2003		841236658				772 p, 8.5 x 11 Hardcover
	Contact Angle, Wettability and Adhesion, Vol. 2	K.L. Mittal, ed.	VSP	2002		906764370				572 p, 6.2 x 9.4 Hardcover
	Dynamic Surface Phenomena	Paul Joos	VSP	1999		9067643009				374 p, 6.7 x 9.8 Hardcover
	Experimental Methods in the Physical Sciences [Vol. 38: Advances in Surface Science]	Hari Singh Nalwa, ed.	Academic Press	2001		124759858				468 p, 6 x 9 Hardcover
	Handbook of IR Spectroscopy of Ultrathin Films		Wiley - Interscience	2003		47135404				736 p, 6.1 x 9.2 Hardcover
	Handbook of Raman Spectroscopy: From the Research Laboratory to the Process Line	Ian R. Lewis and Howell G.M. Edwards, eds.	Marcel Dekker	2001		824705572				1074 p, 7 x 10 Hardcover
	Handbook of Surface and Interface Analysis: Methods for Problem-Solving	J.C. Riviere and S. Myhra eds.	Marcel Dekker	1998		824700805				995 p, 6 x 9 Hardcover
	Handbook of Surfactant Analysis: Chemical, Physico-Chemic and Physical Methods	Dieter O. Hummel	John Wiley & Sons	2000		471720461				412 p, 7.5 x 9.5 Hardcover
	Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.	Krishna Seshan, ed.	Noyes Publications	2002		815514425				658 p, 6 x 9 Hardcover
	Impact of Surface Science on Catalysis	Bruce C. Gates and Helmut Knoezinger, eds.	Academic Press	2001		122772512				460 p, 6 x 9 Paperback
	Interfacial Properties on the Submicrometer Scale (ACS Symposium Series 781)	Jane Frommer and Rene M. Overney, eds.	American Chemical Soci	2001		841236917				360 p, 6 x 9 Hardcover
	Introduction to Surface Analysis by XPS and AES	John F. Watts and John Wolstenholme	John Wiley & Sons	2003		470847131				224 p, 6 x 9 Paperback
	Metallization of Polymers 2	Edward Sacher, ed.	Plenum Press	2002		306472538				216 p, 6.5 x 9.7 Hardcover
	Mould Sticking, Fouling and Cleaning (Rapra Review Report 150)	David E. Packham	Rapra	2002		1859573576				116 p, 8.5 x 11 Paperback

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N thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Nano-Surface Chemistry	Morton Rosoff, ed.	Marcel Dekker	2002		824702549				692 p, 7 x 10 Hardcover
	Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)		Kluwer Academic	2000		792362667				392 p, 6.2 x 9.5 Paperback
	Noncontact Atomic Force Microscopy	S. Morita, R. Wiesendanger, and E. Meyer, eds.	Springer	2002		3540431179				460 p, 6 x 9.2 Hardcover
	Oxide Surfaces	James A. Wingrave, ed.	Marcel Dekker	2001		824700007				536 p, 7 x 10 Hardcover
	Particle and Surface Characterisation Methods	R.H. Muller and W. Mehnert, eds.	CRC Press	1998		3887630572				280 p, Hardcover
	Physics and Chemistry of Interfaces	Hans-Jurgen Butt, Karlheinz Graf, and Michael Kappl	Wiley - VCH	2003		3527404139				372 p, 6.5 x 9.5 Paperback
	Polymer Surface Modification and Characterization	Chi-Ming Chan	Hanser Gardner	1994		1569901589				295 p, 6.5 x 9.5 Hardcover
	Polymer Surfaces & Interfaces III	R.W. Richards and S.K. Pearce, eds.	John Wiley & Sons	1999		471982865				316 p, 6 x 9 Hardcover
	Polymer Surfaces and Interfaces II	W.J. Feast, H.S. Munro, and R.W. Richards, eds.	John Wiley & Sons	1993		471934569				314 p, 6 x 9 Hardcover
	Practical Guide to Surface Science and Spectroscopy	Yip-Wah Chung	Academic Press	2001		121746100				200 p, 6 x 9 Hardcover with
	Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural Analysis	J. Wayne Rabalais	Wiley - Interscience	2003		471202770				322 p, 6 x 9 Hardcover
	Scanning Probe Microscopy and Spectroscopy: Theory, Techniques, and Applications, 2nd Ed.	Dawn Bonnell, ed.	Wiley - VCH	2001		47124824				512 p, 6 x 9 Hardcover
	Solid - Liquid Interface Theory (ACS Symposium Series 789)	J. Woods Halley, ed.	American Chemical Soci	2001		841237174				248 p, 6 x 9 Hardcover
	Solid Lubrication Fundamentals and Applications	Kazuhisa Miyoshi	Marcel Dekker	2001		824789059				412 p, 6 x 9 Hardcover
	Specimen Handling, Preparation, and Treatments in Surface Characterization		Plenum Press	1998		30645887				320 p, 6 x 9 Hardcover
	Surface Analysis of Paper	Terrance E. Conners and Sujit Banerjee, eds.	CRC Press	1995		849389925				368 p, 7 x 10 Hardcover
	Surface Analysis of Polymers by XPS and Static SIMS	David Briggs	Cambridge University Pr	1998		521352223				212 p, 6.8 x 9.8 Hardcover
	Surface Analysis: The Principle Techniques	John C. Vickerman, ed.	John Wiley & Sons	1997		471972924				473 p, 6 x 9 Paperback
	Surface and Thin Film Analysis: A Compendium of Principles Instrumentation, and Applications	H. Bubert and H. Jenett, eds.	Wiley - VCH	2002		3527304584				354 p, 6.5 x 9.5 Hardcover
	Surface Characteristics of Fibers and Textiles	Christopher M. Pastore and Paul Kiekens, eds.	Marcel Dekker	2001		824700023				306 p, 6 x 9 Hardcover

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Commerce Library Index for: Surface Characterization and Analysis

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S thru W	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Surface Characterization of Advanced Polymers	Luigia Sabbatini and Pier Girogio Zambonin, eds.	Wiley - VCH	1993		3527285121				319 p, 6.5 x 9.5 Hardcover
	Surface Characterization: A User's Sourcebook		Wiley - VCH	1997		3527288430				716 p, 6.7 x 9.5 Hardcover
	Surface Chemistry	Elaine M. McCash	Oxford University Press	2001		198503288				188 p, 6.5 x 9.5 Paperback
	Surface Contamination and Cleaning, Vol. 1	K.L. Mittal, ed.	VSP	2003		9067643769				374 p, 6.2 x 9.4 Hardcover
	Surface Modes in Physics	Bo E. Sernelius	Wiley - VCH	2001		3527403132				370 p, 6.5 x 9.5 Hardcover
	Surface Science Techniques	J.M. Walls and R. Smith, eds.	Pergamon Press	1994		80421482				196 p, 8.5 x 11 Hardcover
	Surface Science: Foundations of Catalysis and Nanoscience	Kurt W. Kolasinski	John Wiley & Sons	2002		471492450				318 p, 6.5 x 9.5 Paperback
	Thin Films: Preparation, Characterization, Applications		Plenum Press	2002		306473356				378 p, 6.5 x 10 Hardcover
	Wettability	John C. Berg, ed.	Marcel Dekker	1993		824790464				451 p, 6 x 9 Hardcover

50 listings in Surface Characterization and Analysis

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Commerce Library Index for: Textiles and Nonwovens

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A thru T	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Absorbent Technology	P.K. Chatterjee and B.S. Gupta, eds.	Elsevier	2002		444500006				498 p, 6.5 x 9.5 Hardcover
	Application of Textiles in Rubber	David B. Wootton	Rapra	2001		1859572774				256 p, 7.2 x 9.7 Hardcover
	Coated and Laminated Textiles	Walter Fung	CRC Press	2002		849314487				416 p, 6 x 9 Hardcover
	Coated Textiles: Principles and Applications	Ashish Kumar Sen	Technomic	2001		1587160234				246 p, 6 x 9 Hardcover
	Color: An Introduction to Practice and Principles	Rolf G. Kuehni	Wiley - Interscience	1997		471145661				194 p, 6 x 9.2 Hardcover
	Handbook of Fiber Chemistry, 2nd Ed.	Menachem Lewin and Eli M. Pearce, eds.	Marcel Dekker	1998		824794710				1105 p, 6 x 9 Hardcover
	Handbook of Fiber Finish Technology	Philip E. Slade	Marcel Dekker	1998		824700481				534 p, 6 x 9 Hardcover
	Industrial Dyes: Chemistry, Properties, Applications	Klaus Hunger, ed.	Wiley - VCH	2003		3527304266				684 p, 6.5 x 9.5 Hardcover
	Microstructural Characterisation of Fibre-Reinforced Composite	John Summerscales, ed.	CRC Press	1998		849338824				334 p, 6 x 9 Hardcover
	New Materials Permeable to Water Vapor	Harro Traubel	Springer	1999		3540649468				367 p, 6 x 9.2 Hardcover
	Physical Testing of Textiles	B.P. Saville	Woodhead	1999		849305683				326 p, 6 x 9 Hardcover
	Polymer Enhancement of Technical Textiles (Rapra Review Report 165)	Roy W. Buckley	Rapra	2003		1859573959				134 p, 8.2 x 11.5 Paperback
	Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.	Karl Mahall	Springer	2003		3540440720				260 p, 6.5 x 9.6 Hardcover
	Screen Printing: A Contemporary Approach	Samuel B. Hoff	Delmar	1997		827371284				298 p, 8 x 9 Hardcover
	Statistical Methods for the Process Industries	William H. McNeese and Robert A. Klein	Marcel Dekker	1991		82478524				528 p, 8.5 x 11 Paperback
	Textile Coloration and Finishing	Warren S. Perkins	Carolina Academic Press	1996		890898855				248 p, 6 x 9 Hardcover

16 listings in Textiles and Nonwovens

Commerce Library Index for: Training Videos

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thru	Title	Author	Publisher - Location - Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Introduction to Quality Control Testing Video	Pacific Northwest Society for Coatings Technology	FSCT						VHS format

1 listing in Training Videos

Commerce Library Index for: Wear, Weathering, and Tribology

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18-Jan-04 **Filter: Complete Shopping List**

A thru S	Title	Author	Publisher - Location -	Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description
	Adhesion Science	John Comyn	Royal Society of Chemis	1997		854045430				160 p, 5.5 x 8.5 Paperback
	Aging and Chemical Resistance	Christian Bonten and Robert Berlich	Hanser Gardner	2002		1569903328				128 p, 3 x 5 Paperback
	Atlas of Fibre Fracture and Damage to Textiles, 2nd Ed.	J. Hearle, ed.	CRC Press	1998		849338816				480 p, Hardcover
	Contact, Adhesion, and Rupture of Elastic Solids	Daniel Maugis	Springer	2000		3540661131				430 p, 6.1 x 9.3 Hardcover
	Effect of UV Light and Weather on Plastics and Elastomers	Plastics Design Library Stal	Plastics Design Library	1994		1884207111				491 p, 8.5 x 11 Hardcover
	Engineering Coatings - Design and Application, 2nd Ed.	Stan Grainger and Jane Blunt, eds.	William Andrew	1998		1884207685				331 p, 6.7 x 9.6 Hardcover
	Environmental Stress Cracking of Plastics	D.C. Wright, ed.	Rapra	1996		185957064				150 p, 8.5 x 11 Paperback
	Fatigue and Tribological Properties of Plastics and Elastomers	Plastics Design Library Stal	Plastics Design Library	1995		1884207154				537 p, 8.5 x 11 Hardcover
	Handbook of Material Weathering, 3rd Ed.	George Wypych	ChemTec Publishing	2003		815514786				756 p, 6.4 x 9.2 Hardcover
	Introduction to Composite Materials, 2nd Ed.	D. Hull and T.W. Clyne	Cambridge University Pr	1996		521388554				342 p, 6 x 9 Paperback
	Introduction to Tribology	Bharat Bhushan	John Wiley & Sons	2002		471158933				752 p, 6 x 9 Hardcover
	Lubricating Polymer Surfaces	Yoshito Ikada and Yoshikimi Uyama	Technomic	1993		1566760135				184 p, 6 x 9 Paperback
	Plastics Failure Analysis and Prevention	John Moalli, ed.	Plastics Design Library	2001		1884207928				400 p, 7 x 8.5 Hardcover
	Plastics Technology Handbook, 3rd Ed.	Manas Chanda and Salil K. Roy	Marcel Dekker	1998		82470066				1208 p, 6 x 9 Hardcover
	Principles and Applications of Tribology	Bharat Bhushan	John Wiley & Sons	1999		471594075				1040 p, 6 x 9 Hardcover
	Reinforced Plastics Durability	Geoffrey Pritchard, ed.	CRC Press	1999		849305470				384 p, 6.1 x 9.2 Hardcover
	Solid Lubrication Fundamentals and Applications	Kazuhisa Miyoshi	Marcel Dekker	2001		824789059				412 p, 6 x 9 Hardcover
	Stabilisers for Polyolefins (Rapra Review Report 132)	C. Krohnke and F. Werner	Rapra	2001		1859572855				136 p, 8.3 x 11.5 Paperback

18 listings in Wear, Weathering, and Tribology

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S thru S	Title	Author	Publisher - Location - Date	Edition	ISBN	Dynix	Shelf Location	Call No.	Description

There are 1374 listings in this index of 44 Subjects.

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LASCT Bibliography - by author

Entry	Author	Title	Publisher - Location -	Date	Description	Edition	Call No.	Dynix	ISBN	LCCN
1		*Polymer Modification*	Plenum Press	1997	221 p, 6.5 x 9.8 Hardcover				306457148	
2		*Flexography: Principles & Practices, 5th Ed.*	FTA	2000	920 p, 8 x 10.5 Paperback					
3		*Olefin Polymerization: Emerging Frontiers (ACS Symposium Series 749)*	American Chemical Society	2000	216 p, 6 x 9 Hardcover				841236143	
4		*ANTEC 2001 Conference Proceedings*	SPE	2001	3920 p, 8.5 x 11 Paperback				1587160986	
5		*Low Temperature Plasma Physics: Fundamental Aspe and Applications*	Wiley - VCH	2001	530 p, 6.5 x 9.5 Hardcover				3527288872	
6		*Guidelines for Laboratory Design: Health and Safety Considerations, 3rd Ed.*	Wiley - Interscience	2001	650 p, 6 x 9.2 Hardcover				471254479	
7		*Properties of Paper: An Introduction, 2nd Ed.*	TAPPI Press	1995	209 p, 7 x 10 Paperback				898520622	
8		*Conjugated Polymer and Molecular Interfaces: Science and Technology for Photonic and Optoelectronic Applications*	Marcel Dekker	2002	884 p, 6 x 9 Hardcover				824705882	
9		*Interfacial Aspects Multicomponent Polymer Materials*	Plenum Press	1997	309 p, 6.5 x 9.5 Hardcover				306457180	
10		*Identification and Control of Sheet and Film Processes*	Springer	2000	184 p, 6 x 9 Hardcover				1852333057	
11		*ANTEC 2000 Conference Proceedings*	SPE	2000	3880 p, 8.5 x 11 Paperback				1566768551	
12		*Polymers in Dispersed Media I (Macromolecular Symposia 150)*	Wiley - VCH	2000	344 p, 6 x 9.2 Hardcover				3527301291	
13		*Plasma Processing of Polymers (NATO Science Series E: Applied Sciences, Vol. 346)*	Kluwer Academic	1997	542 p, 6.5 x 9.5 Hardcover				792348591	
14		*Coating Processes*	TAPPI Press	1993	288 p, 8.5 x 11 Paperback				898520584	
15		*Paper Coating Additives*	TAPPI Press	1995	150 p, 7 x 10 Hardcover				898520614	
16		*Handbook of IR Spectroscopy of Ultrathin Films*	Wiley - Interscience	2003	736 p, 6.1 x 9.2 Hardcover				47135404	
17		*Rheology of Polymeric Systems: Principles and Applications*	Hanser Gardner	1997	534 p, 6.5 x 9.5 Hardcover				1569902186	
18		*2000 TAPPI Polymers, Laminations & Coatings Conference Proceedings*	TAPPI Press	2000	1420 p, 8.5 x 11 Paperback				898529700	
19		*Plastics Packaging: Properties, Processing, Applicatio and Regulations*	Hanser Gardner	2000	442 p, 6.5 x 9.5 Hardcover				1569903034	
20		*Polyolefins 2000: The International Conference on Polyolefins*	SPE	2001	768 p, 8.5 x 11 Paperback					
21		*Specimen Handling, Preparation, and Treatments in Surface Characterization*	Plenum Press	1998	320 p, 6 x 9 Hardcover				30645887	
22		*TQM: A Step-by-Step Guide to Implementation*	ASQC	1991	235 pages, hardbound.				0873891163	

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23		*Liquid Interfaces in Chemistry and Biology*	Wiley - Interscience	1998	562 p, 6 x 9 Hardcover				471148725	
24		*Polyurethanes in Biomedical Applications*	CRC Press	1998	286 p, 7 x 10 Hardcover				849345170	
25		*FIRST: Flexographic Image Reproduction Specificatior & Tolerances, 2nd Ed.*	FTA	2004	0 p, 8.5 x 11 Paperback					
26		*Adhesion Science and Engineering: Vol. 1 - The Mechanics of Adhesion; Vol. 2 - Surfaces, Chemistry a Applications*	Elsevier	2002	2020 p, 6.5 x 9.5 Hardcover				444511407	
27		*Taming the Flexo Process - A Beginning, Experiment a Verification*	FTA	1994	112 p, 8.5 x 11 Paperback					
28		*Solid Phase Processing of Polymers*	Hanser Gardner	2000	428 p, 6.5 x 9.5 Hardcover				1569903077	
29		*Principles of Color Reproduction*	GATF	2000	480 p, 5.5 x 8.5 Paperback				88362222	
30		*Emulsion Science: Basic Principles, An Overview*	Springer	2002	148 p, 6.1 x 9.2 Hardcover				3540436820	
31		*Polymer Sorption Phenomena (Macromolecular Symposia 145)*	Wiley - VCH	1999	190 p, 6 x 9 Hardcover				352729905	
32		*Polymer Synthesis and Characterization: A Laboratory Manual*	Academic Press	1998	230 p, 8.5 x 11 Paperback				12618240	
33		*Handbook of Physical Testing of Paper, 2nd Ed., Vol 1*	Marcel Dekker	2001	1040 p, 7 x 10 Hardcover				824704983	
34		*TAPPI 2002 - 2003 Test Methods*	TAPPI Press	2002	0 p, 8.5 x 11 Paperback				1930657935	
35		*Surface Characterization: A User's Sourcebook*	Wiley - VCH	1997	716 p, 6.7 x 9.5 Hardcover				3527288430	
36		*Gardner's Chemical Synonyms and Trade Names*	Gower	1999	1418 pages, hardbound				0566081903	
37		*Color and Appearance, 2nd Edition*			94 pages, Soft Cover.	2nd Edition			0934010579	
38		*Rubber Bonding 2001: Advances in the Bonding of Rubber to Various Substrates*	Rapra	2001	224 p, 8 x 11 Paperback				1859572987	
39		*Quality Audit Handbook, 2nd Edition*	ASQC	1999	218 pages, hardbound.	2nd Edition			087389460	
40		*Functional Index Series: Index of Flame Retardants*	Gower	1997	305 pages.				0566078856	
41		*Organic Pigments, 3rd Ed.*	FSCT	2000	44 pages, soft cover	3rd Edition			0934010358	
42		*Functional Index Series: Index of Solvents*	Gower	1996	589 pages, hard bound				0566078848	
43		*ISO 9000 Implementation for Small Businesses*	ASQC	1996	209 pages, hardbound				0873893506	
44		*Coatings Technology Lecturer's Manuals Set*	ITE		Set includes nine softbound book					
45		*ISO 9000 Guidelines for the Chemical & Process Industries*	ASQC	1996	150 pages, soft cover.				0873893522	

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46		*ICE 2000 Annual Meeting Program Proceedings*	FSCT	2000	874 pages, soft cover.				0934010463	
47		*ICE 2001 Annual Meeting Program Proceedings*	FSCT	2001	834 pages, soft cover.				0934010544	
48		*ICE 2002 Annual Meeting Program Proceedings*	FSCT	2002	900 pages, soft cover.				0934010560	
49		*ICE '99 Annual Meeting Program Proceedings*	FSCT	1999	568 pages, soft cover.				0934010455	
50		*Introduction to Polymers and Resins, 2nd Edition*	FSCT		60 pages, soft cover	2nd Editio			0934010285	
51		*Let's Work Smarter, Not Harder*		1997	280 pages, hardbound.				0873893867	
52		*Training in Plastics Technology, 2nd Ed.*	Hanser Gardner	2000	196 p, 6.7 x 10.2 Paperback				1569902933	
53		*Formulation Technology: Emulsions, Suspensions, Soli Forms*	Wiley - VCH	2001	446 p, 6.7 x 9.4 Hardcover				3527302018	
54		*Nanostructured Films and Coatings (NATO Science Series 3: High Technology, Vol. 78)*	Kluwer Academic	2000	392 p, 6.2 x 9.5 Paperback				792362667	
55		*Thin Films: Preparation, Characterization, Applications*	Plenum Press	2002	378 p, 6.5 x 10 Hardcover				306473356	
56		*Advances in Pressure Sensitive Adhesive Technology .*	Satas & Associates	1992	229 p, 6 x 9 Hardcover					
57		*Functional Index Series: Index of Anti-Microbials*	Gower	1996	468 pages.				0566078163	
58		*2001 TAPPI Polymers, Laminations & Coatings Conference Proceedings*	TAPPI Press	2001	0 p, CD-ROM				193065779	
59		*Coatings for Asia '99 Conference Proceedings*		1999	301 pages, soft cover.				0934010471	
60		*2002 Troubleshooting Short Course for Extrusion Coating and Flexible Packaging Converters - Notes*	TAPPI Press	2002	466 p, 8.5 x 11 Paperback				1930657226	
61		*SPC Essentials and Productivity Improvement*	ASQC	1997	266 pages, hardbound.				0873893727	
62		*1995-1999 TAPPI Polymers, Laminations and Coatings Conference Proceedings*	TAPPI Press	1999	CD-ROM				898523680	
63		*Colloid and Surface Chemistry*	Elsevier	2001	774 p, 6.5 x 9.5 Hardcover				444500456	
64		*Benchmarking:Search for Industry Best Practices*	ASQC	1989	299 pages, hardbound				0527916358	
65		*Remedies for Common Paint Problems*	R&H		22 cards.					
66	0915050005	*Painting and Decorating Craftsman's Manual*	PDCA	1995	362 pages, hardbound.				0915050005	
67	A. Howard Bessen	*Corrugator*	Jelmar Publishing	1999	203 p, 8.5 x 11 Hardcover				1885067178	
68	A. John Geis	*Printing Plant Layout and Facility Design, 2nd Ed.*	GATF	1997	218 p, 8.5 x 11 Paperback				883622114	
69	A. Keith Furr, ed.	*CRC Handbook of Laboratory Safety, 5th Ed.*	CRC Press	2000	808 p, 7 x 10 Hardcover				849325234	
70	A. Pizzi and K.L. Mittal, ed	*Handbook of Adhesive Technology, 2nd Ed.*	Marcel Dekker	2003	1036 p, 7 x 10 Hardcover				824709861	

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71	A.E. Comyns, ed.	*Encyclopedic Dictionary of Named Processes in Chemical Technology, 2nd Ed.*	CRC Press	1999	368 p, Hardcover				849312051	
72	A.S. Wilson	*Plasticisers - Selection, Applications, and Implications (Rapra Review Report 88)*	Rapra	1995	108 p, 8.5 x 11 Paperback				1859570614	
73	A.W. Neumann and Jan K. Spelt, eds.	*Applied Surface Thermodynamics*	Marcel Dekker	1996	659 p, 6 x 9 Hardcover				824790960	
74	Abhay Sharma	*Understanding Color Management*	Delmar	2004	380 p, 7.4 x 9.2 Paperback				1401814476	
75	Abhimanyu O. Patil and Gregory G. Hlatky, eds.	*Beyond Metallocenes: Next-Generation Polymerization Catalysts (ACS Symposium Series 857)*	American Chemical Society	2003	262 p, 6 x 9 Hardcover				841238383	
76	Adam Baszkin and Willem Norde, eds.	*Physical Chemistry of Biological Interfaces*	Marcel Dekker	2000	846 p, 7 x 10 Hardcover				824775813	
77	Alan K. Macnair, ed.	*Synthetic Coating Adhesives*	TAPPI Press	1998	66 p, 8.5 x 11 Paperback				898523494	
78	Alan N. Gent, ed.	*Engineering With Rubber: How to Design Rubber Components, 2nd Ed.*	Hanser Gardner	2001	380 p, 6.5 x 9.5 Hardcover				1569902992	
79	Albrecht Muller	*Coloring of Plastics: Fundamentals, Colorants, Preparations*	Hanser Gardner	2003	280 p., 6.5 x 9.5 Hardcover				1569903522	
80	Alejandro Marangoni and Suresh Narine, eds.	*Physical Properties of Lipids*	Marcel Dekker	2002	600 p, 6 x 9 Hardcover				824700058	
81	Alexander Grosberg, ed.	*Theoretical and Mathematical Models in Polymer Research: Modern Methods in Polymer Research and Technology*	Academic Press	1998	298 p, 6 x 9 Hardcover				123041406	
82	Allan F.M. Barton, ed.	*Handbook of Solubility Parameters and Other Cohesior Parameters, 2nd Ed.*	CRC Press	1991	766 p, 7 x 10 Hardcover				849301769	
83	Allan F.M. Barton, ed.	*Handbook of Polymer-Liquid Interaction Parameters an Solubility Parameters*	CRC Press	1990	768 p, 7 x 10 Hardcover				849335442	
84	Alphonsus V. Pocius	*Adhesion and Adhesives Technology: An Introduction, 2nd Ed.*	Hanser Gardner	2002	332 p, 6.5 x 9 Hardcover				1569903190	
85	Andre Anders, ed.	*Handbook of Plasma Immersion Ion Implantation and Deposition*	John Wiley & Sons	2000	760 p, 6 x 9 Hardcover				471246980	
86	Andrew J. Peacock	*Handbook of Polyethylene: Structures, Properties, and Applications*	Marcel Dekker	2000	542 p, 6 x 9 Hardcover				824795466	
87	Andrzej Wieckowski, ed.	*Interfacial Electrochemistry: Theory, Experiment, and Applications*	Marcel Dekker	1999	992 p, 8.5 x 11 Hardcover				82476000	
88	Anita J. Brandolini and Deborah D. Hills	*NMR Spectra of Polymers and Polymer Additives*	Marcel Dekker	2000	640 p, 8.5 x 11 Hardcover				824789709	
89	Annie Berger-Schunn	*Practical Color Measurement: A Primer for the Beginne A Reminder for the Expert*	Wiley - Interscience	1994	190 p, 6 x 9 Hardcover				471004170	

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90	Anthony P. Stanton	*Ink Trapping and Colorimetric Variation*	GATF	2001	48 p, 8.5 x 11 Paperback				883623773	
91	Antonius Kettrup, ed.	*Analyses of Hazardous Substances in Air, Vol. 5*	Wiley - VCH	2002	250 p, 6.5 x 9.5 Hardcover				3527270469	
92	Arthur N. Wilkinson and Anthony J. Ryan, eds.	*Polymer Processing and Structure Development*	Kluwer Academic	1999	592 p, 6.2 x 9.5 Paperback				792357728	
93	Arthur W. Adamson and Alice P. Gast	*Physical Chemistry of Surfaces, 6th Ed.*	Wiley - Interscience	1997	808 p, 6 x 9 Hardcover				471148733	
94	Ashish Kumar Sen	*Coated Textiles: Principles and Applications*	Technomic	2001	246 p, 6 x 9 Hardcover				1587160234	
95	B.G. Willoughby	*Cure Assessment by Physical and Chemical Techniqu (Rapra Review Report 68)*	Rapra	1994	122 p, 8.5 x 11 Paperback				1859570003	
96	B.P. Saville	*Physical Testing of Textiles*	Woodhead	1999	326 p, 6 x 9 Hardcover				849305683	
97	B.S. Dhillion	*Medical Device Reliability and Associated Areas*	CRC Press	2000	256 p, 6 x 9 Hardcover				849303125	
98	Barbara Kanegsberg and Edward Kanegsberg, eds.	*Handbook for Critical Cleaning*	CRC Press	2001	680 p, 7 x 10 Hardcover				849316553	
99	Barbara Stuart	*Polymer Analysis*	John Wiley & Sons	2002	302 p, 6 x 9 Paperback				47181363	
100	Behnam Pourdeyhimi, ed.	*Imaging and Image Analysis Applications for Plastics*	Plastics Design Library	1999	315 p., 7 x 8.5 Hardcover				1884207812	
101	Bernard P. Binks, ed.	*Modern Aspects of Emulsion Science*	Royal Society of Chemistry	1998	442 p, 6 x 9 Hardcover				854044396	
102	Bernard P. Binks, ed.	*Modern Characterization Methods of Surfactant Syste*	Marcel Dekker	1999	610 p, 6 x 9 Hardcover				824719786	
103	Bharat Bhushan	*Introduction to Tribology*	John Wiley & Sons	2002	752 p, 6 x 9 Hardcover				471158933	
104	Bharat Bhushan	*Principles and Applications of Tribology*	John Wiley & Sons	1999	1040 p, 6 x 9 Hardcover				471594075	
105	Bilal M. Ayyub and Richar H. McCuen	*Probability, Statistics, and Reliability for Engineers and Scientists, 2nd Ed.*	Chapman & Hall	2002	650 p, 6 x 9 Hardcover				1584882867	
106	Bo E. Sernelius	*Surface Modes in Physics*	Wiley - VCH	2001	370 p, 6.5 x 9.5 Hardcover				3527403132	
107	Bruce C. Gates and Helmut Knoezinger, eds.	*Impact of Surface Science on Catalysis*	Academic Press	2001	460 p, 6 x 9 Paperback				122772512	
108	Bryan Crowther, ed.	*Handbook of Rubber Bonding*	Rapra	2001	396 p, 7.2 x 9.7 Hardcover				1859571670	
109	Buddy D. Ratner and Davi G. Castner, eds.	*Surface Modification of Polymeric Biomaterials*	Plenum Press	1997	215 p, 6.5 x 10 Hardcover				306455129	
110	C. Krohnke and F. Werner	*Stabilisers for Polyolefins (Rapra Review Report 132)*	Rapra	2001	136 p, 8.3 x 11.5 Paperback				1859572855	
111	C. Lowe and P.K.T. Oldrin	*Test Methods for UV and EB Curable Systems*	Wiley - SITA Technology	1997	219 p, 6.8 x 9 Hardcover				471978817	
112	Carlo Vanderzande	*Lattice Models of Polymers*	Cambridge University Press	1998	232 p, 6 x 9 Paperback				521559936	
113	Carlos J. Hidalgo	*Flammability Handbook for Plastics, 5th Ed.*	Technomic	1998	350 p, 6 x 9 Hardcover				1566766516	

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114	Charles Finley	*Printing Paper & Inks*	Delmar	1997	459 p, 7 x 10 Hardcover				827364415	
115	Charles L. Rohn	*Analytical Polymer Rheology: Structure - Processing - Property Relationships*	Hanser Gardner	1995	326 p, 6.5 x 9.5 Hardcover				156990149	
116	Chi-Ming Chan	*Polymer Surface Modification and Characterization*	Hanser Gardner	1994	295 p, 6.5 x 9.5 Hardcover				1569901589	
117	Chris Rauwendaal	*Polymer Extrusion, 4th Ed.*	Hanser Gardner	2001	792 p, 6.5 x 9.5 Hardcover				1569903212	
118	Chris Rauwendaal	*Understanding Extrusion*	Hanser Gardner	1998	152 p, 6 x 9 Paperback				156990233	
119	Chris Rauwendaal	*SPC: Statistical Process Control in Injection Molding a Extrusion*	Hanser Gardner	2000	248 p, 6.5 x 9.5 Hardcover				1569902852	
120	Chris Rauwendaal	*Polymer Mixing: A Self-Study Guide*	Hanser Gardner	1998	265 p, 6.5 x 9.5 Hardcover				1569902232	
121	Christian Bonten and Robert Berlich	*Aging and Chemical Resistance*	Hanser Gardner	2002	128 p, 3 x 5 Paperback				1569903328	
122	Christian N. Madu, ed.	*Handbook of Total Quality Management*	Kluwer Academic	1998	834 p, 6 x 9 Hardcover				41275360	
123	Christian Reichardt	*Solvents and Solvent Effects in Organic Chemistry, 3r Ed.*	Wiley - VCH	2003	656 p, 6.5 x 0.5 Hardcover				3527306188	
124	Christian Wohlfarth	*CRC Handbook of Thermodynamic Data of Copolymer Solutions*	CRC Press	2001	516 p, 7 x 10 Hardcover				849310741	
125	Christopher D. Anderson and Eric S. Daniels	*Emulsion Polymerisation and Latex Applications (Rapra Review Report 160)*	Rapra	2003	150 p, 8.2 x 11.6 Paperback				1859573819	
126	Christopher J. Biermann	*Handbook of Pulping and Papermaking, 2nd Ed.*	Academic Press	1996	782 p, 7 x 10 Hardcover				120973626	
127	Christopher M. Pastore and Paul Kiekens, eds.	*Surface Characteristics of Fibers and Textiles*	Marcel Dekker	2001	306 p, 6 x 9 Hardcover				824700023	
128	Cliff G. Roffey	*Photogeneration of Reactive Species for UV Curing*	John Wiley & Sons	1997	882 p, 6 x 9 Hardcover				471941778	
129	Clive Maier and Teresa Calafut	*Polypropylene: The Definitive User's Guide*	Plastics Design Library	1998	452 p, 8.5 x 11 Hardcover				1884207588	
130	Cornel Hagiopol	*Copolymerization: Toward a Systematic Approach*	Plenum Press	1999	238 p, 6 x 9 Hardcover with CD-				30646179	
131	Cornelia Vasile, ed.	*Handbook of Polyolefins, 2nd Ed.*	Marcel Dekker	2000	1030 p, 8.5 x 11 Hardcover				824786033	
132	Craig E. Nordquist, ed.	*Corrugated Adhesives Preparation, 5th Ed.*	TAPPI Press	2001	70 p, 8.5 x 11 Paperback				1930657765	
133	D. Djordjevic	*Coextrusion (Rapra Review Report 62)*	Rapra	1992	150 p, 8.5 x 11 Paperback				90234871	
134	D. Hitchcock	*Patent Searching Made Easy: Patent Searches on the Internet and in the Library, 2nd Ed.*	Nolo Press	2000	192 p, 8.5 x 11 Paperback				873375548	
135	D. Hull and T.W. Clyne	*Introduction to Composite Materials, 2nd Ed.*	Cambridge University Press	1996	342 p, 6 x 9 Paperback				521388554	
136	D. Mobius and R. Miller, eds.	*Drops and Bubbles in Interfacial Research*	Elsevier	1998	726 p, 6.5 x 9.5 Hardcover				44482894	

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137	D. Mobius and R. Miller, eds.	*Novel Methods to Study Interfacial Layers*	Elsevier	2001	536 p, 6.5 x 9.5 Hardcover				444509488	
138	D.C. Wright, ed.	*Environmental Stress Cracking of Plastics*	Rapra	1996	150 p, 8.5 x 11 Paperback				185957064	
139	D.H. Stamatis	*Six Sigma and Beyond, Vol. VII: The Implemenation Process*	St. Lucie Press	2003	652 p, 6 x 9.2 Hardcover				157444316	
140	D.M. Brewis and I. Mathieson	*Adhesion and Bonding to Polyolefins (Rapra Review Report 143)*	Rapra	2002	136 p., 8.2 x 11.5 Paperback				1859573231	
141	D.S. Rimai, L.P. DeMejo, and K.L. Mittal, eds.	*Fundamentals of Adhesion and Interfaces*	VSP	1995	304 p, 6.2 x 9.4 Hardcover				9067641979	
142	Daniel M. Dobkin and Michael K. Zuraw, eds.	*Principles of Chemical Vapor Deposition: What's Going On Inside the Reactor?*	Kluwer Academic	2003	288 p, 6.3 x 9.5 Hardcover				1402012489	
143	Daniel Maugis	*Contact, Adhesion, and Rupture of Elastic Solids*	Springer	2000	430 p, 6.1 x 9.3 Hardcover				3540661131	
144	David A. Burge	*Patent and Trademark Tactics and Practice, 3rd Ed.*	John Wiley & Sons	1999	298 p, 6 x 9 Hardcover				471329320	
145	David B. Wootton	*Application of Textiles in Rubber*	Rapra	2001	256 p, 7.2 x 9.7 Hardcover				1859572774	
146	David Briggs	*Surface Analysis of Polymers by XPS and Static SIMS*	Cambridge University Press	1998	212 p, 6.8 x 9.8 Hardcover				521352223	
147	David C. Drain	*Handbook of Experimental Methods for Process Improvement*	Chapman & Hall	1997	448 p, 6 x 9 Hardcover				412127016	
148	David E. Packham	*Mould Sticking, Fouling and Cleaning (Rapra Review Report 150)*	Rapra	2002	116 p, 8.5 x 11 Paperback				1859573576	
149	David G. Castner and David W. Grainger, eds.	*Fluorinated Surfaces, Coatings, and Film (ACS Symposium Series 787)*	American Chemical Society	2001	256 p, 6 x 9 Hardcover				841236232	
150	David Pressman and Jack Lo	*How to Make Patent Drawings Yourself, 3rd Ed.*	Nolo Press	2001	258 p, 8.5 x 11 Paperback				873377885	
151	David R. Karsa, ed.	*New Products and Applications in Surfactant Technolo*	Sheffield Academic	1998	245 p, 6 x 9 Hardcover				849397383	
152	David R. Karsa, ed.	*Surface Active Behaviour of Performance Surfactants*	Sheffield Academic	2000	218 p, 6 x 9.1 Hardcover				849305055	
153	David R. Karsa, ed.	*Surfactants in Polymers, Coatings, Inks, and Adhesive*	Blackwell Publishing	2003	320 p, 6.1 x 9.2 Hardcover				84932808	
154	David R. Mulligan	*Cure Monitoring for Composites and Adhesives (Rapra Review Report 164)*	Rapra	2003	116 p, 8.2 x 11.5 Paperback				1859573932	
155	David R. Roisum	*Critical Thinking in Converting: A Guide to Industrial Problem-Solving*	TAPPI Press	2002	274 p, 6.8 x 9.8 Paperback				1930657773	
156	David R. Roisum	*Mechanics of Rollers*	TAPPI Press	1996	317 p, 7 x 10 Paperback				898523133	
157	David R. Roisum	*Mechanics of Web Handling*	TAPPI Press	1998	233 p, 7 x 10 Paperback				89852346	
158	David R. Roisum	*Mechanics of Winding*	TAPPI Press	1994	247 p, 7 x 10 Paperback				898522811	

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159	David R. Salem, ed.	*Structure Formation in Polymeric Fibers*	Hanser Gardner	2001	596 p, 6.4 x 9.4 Hardcover				1569903069	
160	David Randall and Stephen Lee, eds.	*Polyurethanes Book*	John Wiley & Sons	2002	498 p, 7.5 x 10.2 Hardcover				470850418	
161	Dawn Bonnell, ed.	*Scanning Probe Microscopy and Spectroscopy: Theory Techniques, and Applications, 2nd Ed.*	Wiley - VCH	2001	512 p, 6 x 9 Hardcover				47124824	
162	Deborah L. Stevenson	*Handbook of Printing Processes*	GATF	1994	270 p, 5.5 x 8.5 Hardcover				883621649	
163	Derek J. Night and Mike B. Thomas, eds.	*Practical Guide to Chemical Safety Testing: Regulatory Consequences - Chemicals, Food Packaging and Medical Devices*	Rapra	2003	468 p, 7.2 x 9.8 Paperback				185957372	
164	Dieter Braun	*Simple Methods for Identification of Plastics, 4th Ed.*	Hanser Gardner	1999	138 p, 5.5 x 8.3 Paperback				1569902801	
165	Dieter O. Hummel	*Handbook of Surfactant Analysis: Chemical, Physico-Chemical, and Physical Methods*	John Wiley & Sons	2000	412 p, 7.5 x 9.5 Hardcover				471720461	
166	Dieter Stoye and Werner Freitag, eds.	*Resins for Coatings: Chemistry, Properties, and Applications*	Hanser Gardner	1996	475 p, 6.5 x 9.3 Hardcover				1569902097	
167	Dieter Urban and Koichi Takamura, eds.	*Polymer Dispersions and Their Industrial Applications*	Wiley - VCH	2002	426 p, 6.7 x 9.4 Hardcover				3527302867	
168	Dietrich O. Hummel	*Atlas of Plastics Additives: Analysis by Spectrometric Methods*	Springer	2002	544 p, 8.2 x 10.8 Hardcover				3540424148	
169	Dimitris S. Argyropoulos, ed.	*Advances in Lignocellulosics Characterization*	TAPPI Press	1999	390 p, 7 x 10 Paperback				898523575	
170	Dominick V. Rosato	*Rosato's Plastics Encyclopedia and Dictionary*	Hanser Gardner	1993	885 p, 6.5 x 9.5 Hardcover				1569900884	
171	Donald C. Singer and Ronald P. Upton	*Guidelines for Laboratory Quality Auditing*	Marcel Dekker	1993	421 p, 6 x 9 Hardcover				824787846	
172	Donald F. Adams, Leif A. Carlsson, and R. Byron Pipes	*Experimental Characterization of Advanced Composite Materials, 3rd Ed.*	CRC Press	2003	250 p, 6 x 9.2 Hardcover				1587161001	
173	Donald G. Baird and Dimitris I. Collias	*Polymer Processing: Principles and Design*	Wiley - Interscience	1998	354 p, 8.5 x 11 Hardcover				471254533	
174	Donald G. LeGrand and John T. Bendler, eds.	*Handbook of Polycarbonate Science and Technology*	Marcel Dekker	2000	370 p, 6 x 9 Hardcover				824799151	
175	Donald H. Mattox	*Handbook of Physical Vapor Deposition (PVD) Processing: Film Formation, Adhesion, Surface Preparation and Contamination Control*	Noyes Publications	1998	948 p, 6 x 9 Hardcover				815514220	
176	Donatas Satas, ed.	*Advances in Pressure Sensitive Adhesive Technology*	Satas & Associates	1999	240 p, 6 x 9 Hardcover				963799320	
177	Donatas Satas, ed.	*Advances in Pressure Sensitive Adhesive Technology*	Satas & Associates	1995	230 p, 6 x 9 Hardcover				963799312	

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178	Donatas Satas, ed.	*Handbook of Pressure Sensitive Adhesive Technology, 3rd Ed.*	Satas & Associates	1999	1038 p, 6 x 9 Hardcover				963799339	
179	Dotchi Exerowa and Pyotr M. Kruglyakov	*Foam and Foam Films: Theory, Experiment, Applicatio*	Elsevier	1998	795 p, 6.5 x 9.5 Hardcover				444819223	
180	E.L. Cussler and G.D. Moggridge	*Chemical Product Design*	Cambridge University Press	2001	248 p, 7 x 10 Paperback				521796334	
181	E.W. Flick	*Advanced Cleaning Product Formulations, Vol. 5*	Noyes Publications	1999	254 p, 6 x 9 Hardcover				81551431	
182	Edmund A. Leonard	*Packaging: Specifications, Purchasing, and Quality Control, 4th Ed.*	Marcel Dekker	1996	304 p, 6 x 9 Hardcover				824797558	
183	Edward D. Cohen and Edgar B. Gutoff, eds.	*Modern Coating & Drying Technology*	Wiley - VCH	1992	330 p, 7 x 10 Hardcover				471188069	
184	Edward J. Wickson, ed.	*Handbook of Polyvinyl Choloride Formulating*	Wiley - Interscience	1993	947 p, 7 x 10 Hardcover				471601829	
185	Edward M. Petrie	*Handbook of Adhesives and Sealants*	McGraw-Hill	2000	902 p, 6 x 9 Hardcover				70498881	
186	Edward P. Moore, Jr., ed.	*Polypropylene Handbook*	Hanser Gardner	1996	439 p, 6.5 x 9.5 Hardcover				1569902089	
187	Edward Sacher, ed.	*Metallization of Polymers 2*	Plenum Press	2002	216 p, 6.5 x 9.7 Hardcover				306472538	
188	Egon Matijevic, ed.	*Surface and Colloid Science, Vol. 16*	Plenum Press	2001	422 p, 6 x 9 Hardcover				30646456	
189	Elaine M. McCash	*Surface Chemistry*	Oxford University Press	2001	188 p, 6.5 x 9.5 Paperback				198503288	
190	Elsayed M. Abdel-Bary, ec	*Handbook of Plastic Films*	Rapra	2003	416 p, 7.3 x 10 Paperback				185957338	
191	Elton N. Kaufmann, ed.	*Characterization of Materials (2 Volume Set)*	Wiley - Interscience	2003	1420 p, 8.5 x 11 Hardcover				471268828	
192	Erik Lokensgard	*Industrial Plastics: Theory and Applications, 4th Ed.*	Delmar	2004	546 p, 8.5 x 11 Paperback				1401804691	
193	Ernest W. Flick	*Printing Ink and Overprint Varnish Formulations, 2nd E*	Noyes Publications	1999	144 p, 6 x 9 Hardcover				815514409	
194	Ernest W. Flick	*Plastics Additives, 3rd Ed. [Vol 3: An Industry Guide]*	Noyes Publications	2001	160 p, 6 x 9 Hardcover				815514700	
195	Ernest W. Flick	*Plastics Additives, 3rd Ed. [Vol 2: An Industry Guide]*	Noyes Publications	2001	270 p, 6 x 9 Hardcover				815514727	
196	Ernest W. Flick	*Water-Based Paint Formulations, Vol. 4*	Noyes Publications	1997	268 p, 6 x 9 Hardcover				815514158	
197	Ernest W. Flick	*Industrial Solvents Handbook, 5th Ed.*	Noyes Publications	1998	996 p, 8.5 x 11 Hardcover				815514131	
198	EUREKA Project EU716	*Quality Assurance in Adhesive Technology*	Abington Publications	1998	168 p, 8.2 x 11.5 Paperback				1855732599	
199	F.J. Balta Calleja and S. Fakirov	*Microhardness of Polymers*	Cambridge University Press	2000	262 p, 6.8 x 9.6 Hardcover				521642183	
200	FFTA Staff	*Flexographic Ink: A Process Approach*	FTA	1998	167 p, 7 x 10 Paperback					
201	Flexo Quality Consortium	*Taming the Flexo Process, Vol. 4: Plate Construction Project, Experiment and Verification*	FTA	1999	28 p, 8.5 x 11 Paperback					
202	Flexo Quality Consortium	*Taming the Flexo Process, Vol. 2: The Post Print Corrugated Project, Experiment and Verification*	FTA	1997	50 p, 8.5 x 11 Paperback					

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203	Forrest W. Breyfogle III	*Implementing Six Sigma: Smarter Solutions Using Statistical Methods, 2nd Ed.*	John Wiley & Sons	2003	1226 p, 6 x 9 Hardcover				471265721	
204	Frank J. Romano and Richard M. Romano, eds.	*GATF Encyclopedia of Graphic Communications*	GATF	1998	985 p, 8.5 x 11 Hardcover				883621908	
205	Frank L. Matthews and R.D. Rawlings	*Composite Materials: Engineering and Science*	CRC Press	1999	460 p, 6 x 9 Paperback				84930251	
206	Fred Grissom and David Pressman	*Inventor's Notebook, 3rd Ed.*	Nolo Press	2000	224 p, 8.5 x 11 Paperback				873375998	
207	Fred Shapiro	*Environmental Regulations for Printers: How to Compl with Environmental Rules While Making Your Printing Operations More Productive and Profitable*	Jelmar Publishing	2003	964 p, 8.5 x 11 Hardcover				1885067089	
208	Friedhelm Hensen	*Plastics Extrusion Technology, 2nd Ed.*	Hanser Gardner	1997	674 p, 6.5 x 9.5 Hardcover				1569902259	
209	G. Bureau and J.-L. Multon, eds.	*Food Packaging Technology, Vol. 1*	Wiley - VCH	1996	398 p, 6 x 9 Hardcover				471186414	
210	G. Lagaly, ed.	*Molecular Organisation on Interfaces (Progress in Colle and Polymer Science, Vol. 121)*	Springer	2002	120 p, 8.3 x 11 Hardcover				3540436375	
211	G.M. Swallowe, ed.	*Mechanical Properties and Testing of Polymers: An A - Reference*	Kluwer Academic	1999	314 p, 6 x 9 Hardcover				412801701	
212	G.T. Hefter and R.P.T. Tomkins, eds.	*Experimental Determination of Solubilities*	John Wiley & Sons	2003	658 p, 6 x 9 Hardcover				471497088	
213	Gabriel O. Shonaike and George P. Simon, eds.	*Polymer Blends and Alloys*	Marcel Dekker	1999	760 p, 6 x 9 Hardcover				824719808	
214	Gary G. Field	*Color Essentials: Color and Quality for the Graphic Art Sciences, Vol. 1*	GATF	2001	110 p, 5.5 x 8.5 Paperback				883623862	
215	Gary R. Bertoline and Eric N. Wiebe	*Technical Graphics Communication, 3rd Ed.*	McGraw-Hill	2003	1312 p, 8.5 x 10 Hardcover				73655988	
216	Gary S. Coyne	*Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique*	Wiley - Interscience	1997	572 p, 7 x 10 Hardcover				471184225	
217	Geoff A. Giles and David R. Bain, eds.	*Technology of Plastics Packaging for the Consumer Market*	CRC Press	2001	274 p, 6 x 9 Hardcover				84930508	
218	Geoffrey Pritchard, ed.	*Reinforced Plastics Durability*	CRC Press	1999	384 p, 6.1 x 9.2 Hardcover				849305470	
219	Geoffrey Pritchard, ed.	*Plastics Additives: An A - Z Reference*	Chapman & Hall	1998	656 p, 6 x 9 Hardcover				41272720	
220	George M. Benedikt and Brian L. Goodall, eds.	*Metallocene-Catalyzed Polymers: Materials, Properties Processing & Markets*	Plastics Design Library	1998	396 p, 7 x 8.5 Hardcover				1884207596	
221	George M. Benedikt, ed.	*Metallocene Technology in Commercial Applications*	Plastics Design Library	1999	321 p, 7 x 8.5 Hardcover				1884207766	

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222	George P. Simon, ed.	*Polymer Characterization Techniques and Their Application to Blends*	American Chemical Society	2003	530 p, 6 x 9.2 Hardcover				841238189	
223	George Wypych	*Handbook of Material Weathering, 3rd Ed.*	ChemTec Publishing	2003	756 p, 6.4 x 9.2 Hardcover				815514786	
224	George Wypych	*Handbook of Fillers, 2nd Ed.*	ChemTec Publishing	1999	910 p, 6.5 x 9.3 Hardcover				1884207693	
225	Gero Decher and Joseph B. Schlenoff, eds.	*Multilayer Thin Films: Sequential Assembly of Nanocomposite Materials*	Wiley - VCH	2003	544 p, 6.5 x 9.5 Hardcover				3527304401	
226	Gert Due Billing	*Dynamics of Molecule Surface Interactions*	Wiley - Interscience	2000	246 p, 6 x 9 Hardcover				471331082	
227	Geza Gruenwald	*Thermoforming: A Plastics Processing Guide, 2nd Ed.*	Technomic	1998	254 p, 6 x 9 Hardcover				1566766257	
228	Gorur G. Raju	*Dielectrics in Electric Fields*	Marcel Dekker	2003	596 p, 7 x 10 Hardcover				824708644	
229	H. Bubert and H. Jenett, eds.	*Surface and Thin Film Analysis: A Compendium of Principles, Instrumentation, and Applications*	Wiley - VCH	2002	354 p, 6.5 x 9.5 Hardcover				3527304584	
230	H. Jackson Knight	*Patent Strategy: For Researchers and Research Managers, 2nd Ed.*	John Wiley & Sons	2001	220 p, 6 x 9 Paperback				471492612	
231	H.N. Cheng and Alan D. English, eds.	*NMR Spectroscopy of Polymers in Solution and in the Solid State (ACS Symposium Series 834)*	American Chemical Society	2003	460 p, 6 x 9 Hardcover				841238081	
232	H.S. Freeman and A.T. Peters, eds.	*Colorants for Non-Textile Applications*	Elsevier	2000	636 p, 6.5 x 9.5 Hardcover				444828885	
233	Hans Bach and Dieter Krause, eds.	*Thin Films on Glass*	Springer	1997	422 p, 6.2 x 9.3 Hardcover				3540585974	
234	Hans G. Volz	*Industrial Color Testing: Fundamentals and Techniques 2nd Ed.*	Wiley - VCH	2001	390 p, 6.8 x 9.5 Hardcover				3527304363	
235	Hans Lyklema, ed.	*Fundamentals of Interface and Colloid Science [Vol 3: Liquid - Fluid Interfaces]*	Academic Press	2000	790 p, 6.5 x 9.5 Hardcover				124605230	
236	Hans W. Maurer, ed.	*Starch and Starch Products in Surface Sizing and Pape Coating*	TAPPI Press	2001	182 p, 8.5 x 11 Paperback				1930657560	
237	Hans Zweifel, ed.	*Plastics Additives Handbook, 5th Ed.*	Hanser Gardner	2001	1184 p, 5.7 x 8.2 Hardcover				156990295	
238	Hans-Jurgen Butt, Karlheinz Graf, and Michael Kappl	*Physics and Chemistry of Interfaces*	Wiley - VCH	2003	372 p, 6.5 x 9.5 Paperback				3527404139	
239	Harald Pasch and Bernd Trathnigg	*HPLC of Polymers*	Springer	1999	236 p, 6 x 9.5 Paperback				3540655514	
240	Hari Singh Nalwa, ed.	*Experimental Methods in the Physical Sciences [Vol. Advances in Surface Science]*	Academic Press	2001	468 p, 6 x 9 Hardcover				124759858	
241	Harro Traubel	*New Materials Permeable to Water Vapor*	Springer	1999	367 p, 6 x 9.2 Hardcover				3540649468	

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242	Harutun G. Karian, ed.	*Handbook of Polypropylene and Polypropylene Composites, 2nd Ed.*	Marcel Dekker	2003	756 p, 6 x 9 Hardcover				824740645	
243	Helmut Gunzler and Alex Williams, eds.	*Handbook of Analytical Techniques, Vols. 1 & 2*	Wiley - VCH	2001	1198 p, 6.5 x 9.5 Hardcover				3527301658	
244	Helmut Kipphan, ed.	*Handbook of Print Media: Technologies and Manufacturing Processes*	Springer	2001	1228 p, 7.5 x 9.5 Hardcover witl				3540673261	
245	Henri Ulrich	*Chemistry and Technology of Isocyanates*	John Wiley & Sons	1996	502 p, 6 x 9 Hardcover				471963712	
246	Henry Warson and C.A. Finch	*Applications of Synthetic Resin Latices [Vol. 3: Latice Diverse Applications]*	John Wiley & Sons	2001	544 p, 6 x 9 Hardcover				471954624	
247	Hiroyuki Ohshima and Kunio Furusawa, eds.	*Electrical Phenomena at Interfaces: Fundamentals, Measurements, and Applications*	Marcel Dekker	1998	645 p, 7 x 10 Hardcover				824790391	
248	Hubert Lobo and Jose V. Bonilla, eds.	*Handbook of Plastics Analysis*	Marcel Dekker	2003	656 p, 6 x 9 Hardcover				824707087	
249	Hugh O. Pierson	*Handbook of Chemical Vapor Deposition: Principles, Technology and Applications, 2nd Ed.*	Noyes Publications	1999	436 p, 6 x 9 Hardcover				815514328	
250	Huimin Liu	*Science and Engineering of Droplets: Fundamentals ar Applications*	Noyes Publications	2000	540 p, 6 x 9.2 Hardcover				815514360	
251	I. Hamerton	*Recent Developments in Epoxy Resins (Rapra Reviev Report 91)*	Rapra	1995	185 p, 8.5 x 11 Paperback				1859570836	
252	Ian N. Christensen	*Developments in Colorants for Plastics (Rapra Review Report 157)*	Rapra	2003	120 p, 8.2 x 11.5 Paperback				1859573738	
253	Ian R. Lewis and Howell G.M. Edwards, eds.	*Handbook of Raman Spectroscopy: From the Researc Laboratory to the Process Line*	Marcel Dekker	2001	1074 p, 7 x 10 Hardcover				824705572	
254	Ian Wheeler	*Metallic Pigments in Polymers*	Rapra	1999	248 p, 7.2 x 9.7 Hardcover				1859571662	
255	Ignac Capek, ed.	*Non-Conventional Polymer Dispersions: 5th Bratislava International Conference on Polymers (Macromolecula Symposia 179)*	Wiley - VCH	2002	374 p, 6 x 9 Hardcover				352730469	
256	Imre Dekany, ed.	*Adsorption and Nanostructures (Progress in Colloid an Polymer Science, Vol. 117)*	Springer	2002	234 p, 8.2 x 10.8 Hardcover				3540419462	
257	Istvan Benedek	*Development and Manufacture of Pressure-Sensitive Products*	Marcel Dekker	1999	692 p, 6 x 9 Hardcover				824702069	
258	Istvan Benedek	*Pressure-Sensitive Formulation*	VSP	2000	536 p, 6.6 x 9.8 Hardcover				9067643300	
259	Istvan Benedek and Luc J. Heymans	*Pressure-Sensitive Adhesives Technology*	Marcel Dekker	1997	610 p, 6 x 9 Hardcover				824797655	
260	J. Drelich, J.S. Laskowski and K.L. Mittal, eds.	*Apparent and Microscopic Contact Angles*	VSP	2000	532 p, 6.6 x 9.8 Hardcover				9067643211	

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261	J. Edward Glass, ed.	*Associative Polymers in Aqueous Media (ACS Symposium Series 765)*	American Chemical Society	2000	434 p, 6 x 9 Hardcover				841236593	
262	J. Hearle, ed.	*Atlas of Fibre Fracture and Damage to Textiles, 2nd E*	CRC Press	1998	480 p, Hardcover				849338816	
263	J. Michael Adams and Penny Ann Dolin	*Printing Technology, 5th Ed.*	Delmar	2002	558 p, 7.88 x 9.13 Hardcover				76682232	
264	J. Wayne Rabalais	*Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural Analys*	Wiley - Interscience	2003	322 p, 6 x 9 Hardcover				471202770	
265	J. Woods Halley, ed.	*Solid - Liquid Interface Theory (ACS Symposium Serie 789)*	American Chemical Society	2001	248 p, 6 x 9 Hardcover				841237174	
266	J.A. Hickman	*Polymeric Seals and Sealing Technology (Rapra Revie Report 96)*	Rapra	1995	117 p, 8.5 x 11 Paperback				1859570968	
267	J.C. Love and V. Goodshi	*In-Mould Decoration of Plastics (Rapra Review Report 146)*	Rapra	2002	128 p, 8.5 x 11 Paperback				1859573282	
268	J.C. Riviere and S. Myhra eds.	*Handbook of Surface and Interface Analysis: Methods Problem-Solving*	Marcel Dekker	1998	995 p, 6 x 9 Hardcover				824700805	
269	J.L. Koenig	*Infrared and Raman Spectroscopy of Polymers (Rapra Review Report 134)*	Rapra	2001	148 p, 8.3 x 11.5 Paperback				1859572847	
270	J.L. Throne	*Advances in Thermoforming (Rapra Review Report 93)*	Rapra	1995	100 p, 8.5 x 11 Paperback				1859570895	
271	J.M. Walls and R. Smith, eds.	*Surface Science Techniques*	Pergamon Press	1994	196 p, 8.5 x 11 Hardcover				80421482	
272	J.P. Fouassier	*Photoinitiated Polymerisation: Theory and Applications (Rapra Review Report 100)*	Rapra	1997	156 p, 8.5 x 11 Paperback				1859571301	
273	J.W. Goodwin and R. Buscall, eds.	*Colloidal Polymer Particles*	Academic Press	1995	347 p, 6 x 9 Hardcover				122900456	
274	Jack L. Koenig	*Spectroscopy of Polymers, 2nd Ed.*	Elsevier	1999	506 p, 6.5 x 9.5 Hardcover				444100318	
275	Jacob N. Israelachvili	*Intermolecular & Surface Forces, 3rd Ed.*	Academic Press	2003	600 p., 6 x 9 Hardcover				0123751829	
276	Jacques P. Fraissard and Olga Lapina, eds.	*Magnetic Resonance in Colloid and Interface Science (NATO Science Series II, Vol. 76)*	Kluwer Academic	2002	676 p, 6.3 x 9.5 Paperback				1402007876	
277	James A. Schwarz and Cristian I. Contescu, eds.	*Surfaces of Nanoparticles and Porous Materials*	Marcel Dekker	1999	804 p, 6 x 9 Hardcover				824719336	
278	James A. Wingrave, ed.	*Oxide Surfaces*	Marcel Dekker	2001	536 p, 7 x 10 Hardcover				824700007	
279	James Brander and Ian Thorn, eds.	*Surface Application of Paper Chemicals*	Blackie Academic & Professional	1997	288 p, 6 x 9 Hardcover				751403709	
280	James E. Mark	*Polymer Data Handbook*	Oxford University Press	1999	1040 p, 7.5 x 9.2 Hardcover				195107896	
281	James F. Carley, ed.	*Whittington's Dictionary of Plastics, 3rd Ed.*	Technomic	1993	575 p, 6 x 9 Hardcover				1566760909	

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282	James F. Shackelford and William Alexander	*CRC Materials Science and Engineering Handbook, 3r Ed.*	CRC Press	2001	1950 p, 7 x 10 Hardcover				849326966	
283	James J. Licari	*Coating Materials for Electronic Applications: Polymers Processing, Reliability, Testing*	Noyes Publications	2003	550 p, 6 x 9 Hardcover				815514921	
284	James T. Carbone, ed.	*Corrugating Defect/Remedy Manual, 6th Ed.*	TAPPI Press	1999	220 p, 11 x 0 Paperback				898525152	
285	Jan W. Gooch	*Analysis and Deformulation of Polymeric Materials: Paints, Plastics, Adhesives, and Inks*	Plenum Press	1997	352 p, 6 x 9 Hardcover				306455412	
286	Jane Frommer and Rene M. Overney, eds.	*Interfacial Properties on the Submicrometer Scale (AC Symposium Series 781)*	American Chemical Society	2001	360 p, 6 x 9 Hardcover				841236917	
287	Jaroslaw Koperski	*Van der Waals Complexes in Supersonic Beams: Lase Spectroscopy of Neutral-Neutral Interactions*	Wiley - VCH	2003	234 p, 6.5 x 9.5 Hardcover				3527403841	
288	Jean-Francois Gerard, ed.	*Fillers and Filled Polymers (Macromolecular Symposia 169)*	Wiley - VCH	2001	348 p, 6 x 9 Hardcover				3527303316	
289	Jean-Pierre Fouassier	*Photoinitiation, Photopolymerization, and Photocuring: Fundamentals and Applications*	Hanser Gardner	1995	388 p, 6.5 x 9.5 Hardcover				1569901465	
290	Jerome Claverie, Marie-Therese Charreyre, and Christian Pichot, eds.	*Polymers in Dispersed Media II (Macromolecular Symposia 151)*	Wiley - VCH	2000	330 p., 6 x 9.2 Hardcover				3527301305	
291	Jerome M. Gess, ed.	*Retention of Fines and Fillers During Papermaking*	TAPPI Press	1998	372 p, 7 x 10 Hardcover				898520665	
292	Jiju Antony and Mike Kaye	*Experimental Quality: A Strategic Approach to Achieve and Improve Quality*	Kluwer Academic	2000	268 p, 6 x 9 Hardcover				412814404	
293	Jim R. White and Sadhan K. De, eds.	*Rubber Technologist's Handbook*	Rapra	2002	596 p, 7.2 x 9.8 Hardcover				1859572626	
294	Joel J. Shulman, ed.	*Flexographic Terms: Terms Used in Flexographic Printing on Corrugated Board*	TAPPI Press	1999	60 p, 8.5 x 11 Paperback				898523567	
295	Johan Sjoblom, ed.	*Encyclopedic Handbook of Emulsion Technology*	Marcel Dekker	2001	750 p, 8.3 x 11 Hardcover				824704541	
296	Johannes G. Vos, Robert J. Forster, and Tia E. Keye	*Interfacial Supramolecular Assemblies*	John Wiley & Sons	2003	328 p, 7.4 x 9.7 Hardcover				471490717	
297	John C. Berg, ed.	*Wettability*	Marcel Dekker	1993	451 p, 6 x 9 Hardcover				824790464	
298	John C. Vickerman, ed.	*Surface Analysis: The Principle Techniques*	John Wiley & Sons	1997	473 p, 6 x 9 Paperback				471972924	
299	John Comyn	*Adhesion Science*	Royal Society of Chemistry	1997	160 p, 5.5 x 8.5 Paperback				854045430	
300	John E. Mahan	*Physical Vapor Deposition of Thin Films*	Wiley - Interscience	2000	326 p, 6 x 9 Hardcover				471330019	
301	John F. Watts and John Wolstenholme	*Introduction to Surface Analysis by XPS and AES*	John Wiley & Sons	2003	224 p, 6 x 9 Paperback				470847131	

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302	John J. Meister, ed.	*Polymer Modification: Principles, Techniques, and Applications*	Marcel Dekker	2000	924 p, 6 x 9 Hardcover				824700783	
303	John L. Brash and Peter W. Wojciechowski, eds.	*Interfacial Phenomena and Bioproducts*	Marcel Dekker	1996	521 p, 6 x 9 Hardcover				824796519	
304	John M. Dealy and Peter C. Saucier	*Rheology in Plastics Quality Control*	Hanser Gardner	2000	152 p, 6.5 x 9.5 Hardcover with				1569902860	
305	John Moalli, ed.	*Plastics Failure Analysis and Prevention*	Plastics Design Library	2001	400 p, 7 x 8.5 Hardcover				1884207928	
306	John Murphy	*Additives for Plastics Handbook, 2nd Ed.*	Elsevier	2001	494 p, 6.1 x 9.2 Hardcover				1856173704	
307	John P. Sibilia, ed.	*Guide to Materials Characterization and Chemical Analysis, 2nd Ed.*	Wiley - VCH	1996	400 p, 6 x 9 Hardcover				471186333	
308	John S. Dick, ed.	*Rubber Technology: Compounding and Testing for Performance*	Hanser Gardner	2001	592 p, 6.4 x 9.4 Hardcover				156990278	
309	John S. Rowlinson	*Cohesion: A Scientific History of Intermolecular Forces*	Cambridge University Press	2002	342 p, 6.8 x 9.7 Hardcover				521810086	
310	John Scheirs and Duane B Priddy, eds.	*Modern Styrenic Polymers: Polystyrenes and Styrenic Copolymers*	John Wiley & Sons	2003	792 p, 6 x 9 Hardcover				471497525	
311	John Scheirs and Timothy E. Long, eds.	*Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters*	John Wiley & Sons	2003	784 p, 6 x 9 Hardcover				471498564	
312	John Scheirs and Walter Kaminsky, eds.	*Metallocene-Based Polyolefins: Preparation, Properties and Technology*	John Wiley & Sons	2000	1150 p, 6 x 9 Hardcover				471980862	
313	John Summerscales, ed.	*Microstructural Characterisation of Fibre-Reinforced Composites*	CRC Press	1998	334 p, 6 x 9 Hardcover				849338824	
314	John T. Lutz, Jr. and Richard F. Grossman, eds	*Polymer Modifiers and Additives*	Marcel Dekker	2001	528 p, 6 x 9 Hardcover				824799496	
315	John Vlachopoulos and John R. Wagner, Jr., eds.	*SPE Guide on Extrusion Technology and Troubleshooti*	SPE	2002	456 p, 8.5 x 11 Hardcover					
316	Jordan Rotheiser	*Joining of Plastics: Handbook for Designers and Engineers, 2nd Ed.*	Hanser Gardner	2004	6.5 x 9.5 Hardcover				1569903549	
317	Joseph C. Salamone, ed.	*Concise Polymeric Materials Encyclopedia*	CRC Press	1999	1743 p, 8.5 x 11 Hardcover				84932226	
318	Joseph Jagur-Grodzinski	*Heterogeneous Modification of Polymers: Matrix and Surface Reactions*	John Wiley & Sons	1997	277 p, 6 x 9 CD-ROM				471942871	
319	Joseph P. Trungale	*Anilox Roll: Heart of the Flexo Process*	Jelmar Publishing	1997	141 p, 8.5 x 11 Hardcover				1885067038	
320	Joseph S. Amstock	*Handbook of Adhesives and Sealants in Construction*	McGraw-Hill	2001	656 p, 6 x 9 Hardcover				7001616	
321	Joy L. Bryant	*Protecting Your Ideas: The Inventor's Guide to Patents*	Academic Press	1998	243 p., 6 x 9 Hardcover				0121384101	
322	Jozsef Toth, ed.	*Adsorption: Theory, Modeling, and Analysis*	Marcel Dekker	2002	890 p, 7 x 10 Hardcover				824707478	

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323	Judit E. Puskas, ed.	*Ionic Polymerizations and Related Processes (NATO Science Series E: Applied Sciences, Vol. 359)*	Kluwer Academic	1999	404 p, 6.3 x 9.5 Paperback				792358120	
324	Judith F. Rubinson and Harry B. Mark, eds.	*Conducting Polymers and Polymer Electrolytes: From Biology to Photovoltaics (ACS Symposium Series 832)*	American Chemical Society	2002	232 p, 6 x 9 Hardcover				841237700	
325	Junji Furukawa	*Physical Chemistry of Polymer Rheology*	Springer	2003	294 p, 6.1 x 9.2 Hardcover				3540000534	
326	K. Wandelt and S. Thurgate, eds.	*Solid-Liquid Interfaces: Macroscopic Phenomena - Microscopic Understanding*	Springer	2003	460 p, 6 x 9.2 Hardcover				3540425837	
327	K.-J. Eichhorn and D. Fischer, eds.	*Polymer Spectroscopy: 14th European Symposium on Polymer Spectroscopy (ESOPS 14)*	Wiley - VCH	2002	400 p, 6 x 9 Hardcover				3527304746	
328	K.J. Thurlow, ed.	*Chemical Nomenclature*	Kluwer Academic	1998	260 p, Hardcover				751404756	
329	K.L. Mittal and Dinesh O. Shah, eds.	*Adsorption and Aggregation of Surfactants in Solution*	Marcel Dekker	2003	712 p, 6 x 9 Hardcover				824708431	
330	K.L. Mittal and H.R. Anderson, Jr., eds.	*Acid-Base Interactions: Relevance to Adhesion Scienc and Technology*	VSP	1991	400 p, 6.2 x 9.4 Hardcover				9067641359	
331	K.L. Mittal and K.-W. Lee, eds.	*Polymer Surfaces and Interfaces: Characterization, Modification and Application*	VSP	1997	434 p, 6.2 x 9.4 Hardcover				9067642177	
332	K.L. Mittal and Promod Kumar, eds.	*Emulsions, Foams, and Thin Films*	Marcel Dekker	2000	512 p, 6 x 9 Hardcover				824703669	
333	K.L. Mittal, ed.	*Surface Contamination and Cleaning, Vol. 1*	VSP	2003	374 p, 6.2 x 9.4 Hardcover				9067643769	
334	K.L. Mittal, ed.	*Polymer Surface Modification: Relevance to Adhesion*	VSP	1996	558 p, 6.2 x 9.4 Hardcover				9067642010	
335	K.L. Mittal, ed.	*Metallized Plastics: Fundamentals and Applications*	Marcel Dekker	1998	392 p, 6 x 9 Hardcover				824799259	
336	K.L. Mittal, ed.	*Adhesion Measurement of Films and Coatings*	VSP	1995	466 p, 6.2 x 9.4 Hardcover				9067641820	
337	K.L. Mittal, ed.	*Metallized Plastics 5 & 6: Fundamental and Applied Aspects*	VSP	1998	448 p, 6.6 x 9.8 Hardcover				9067642908	
338	K.L. Mittal, ed.	*Particles on Surfaces 5 & 6: Detection, Adhesion and Removal*	VSP	1999	362 p, 6.6 x 9.8 Hardcover				9067643122	
339	K.L. Mittal, ed.	*Silanes and Other Coupling Agents, Vol. 2*	VSP	2000	300 p, 6.6 x 9.8 Hardcover				9067643319	
340	K.L. Mittal, ed.	*Acid-Base Interactions: Relevance to Adhesion Scienc and Technology, Vol. 2*	VSP	2000	636 p, 6.6 x 9.8 Hardcover				9067643254	
341	K.L. Mittal, ed.	*Polymer Surface Modification: Relevance to Adhesion, Vol. 2*	VSP	2000	640 p, 6.6 x 9.8 Hardcover				9067643270	
342	K.L. Mittal, ed.	*Contact Angle, Wettability and Adhesion, Vol. 2*	VSP	2002	572 p, 6.2 x 9.4 Hardcover				906764370	
343	K.L. Mittal, ed.	*Adhesive Joints: Formation, Characteristics and Testir Vol. 2*	VSP	2002	408 p, 6.2 x 9.4 Hardcover				9067643718	

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Entry	Author	Title	Publisher - Location -	Date	Description	Edition	Call No.	Dynix	ISBN	LCCN
344	K.L. Mittal, ed.	*Particles on Surfaces 7: Detection, Adhesion and Removal*	VSP	2002	462 p, 6.2 x 9.4 Hardcover				9067643726	
345	K.L. Mittal, ed.	*Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applications, Vol. 1*	VSP	2001	330 p, 6.2 x 9.4 Hardcover				9067643394	
346	K.L. Mittal, ed.	*Adhesion Measurement of Films and Coatings, Vol. 2*	VSP	2001	364 p, 6.2 x 9.4 Paperback				9067643378	
347	K.L. Mittal, ed.	*Metallized Plastics 7: Fundamental and Applied Aspec*	VSP	2001	316 p, 6.2 x 9.4 Paperback				9067643408	
348	K.L. Mittal, ed.	*Adhesion Aspects of Thin Films, Vol. 1*	VSP	2001	280 p, 6.2 x 9.4 Paperback				9067643386	
349	K.L. Mittal, ed.	*Polyimides and Other High Temperature Polymers: Synthesis, Characterization and Applications, Vol. 2*	VSP	2003	540 p, 6.2 x 9.4 Hardcover				9067643785	
350	K.S. Birdi	*Scanning Probe Microscopes: Applications in Science and Technology*	CRC Press	2003	328 p, 6.1 x 9.2 Hardcover				849309301	
351	K.S. Birdi, ed.	*Handbook of Surface and Colloid Chemistry, 2nd Ed.*	CRC Press	2002	864 p, 7 x 10 Hardcover				849310792	
352	Karl Mahall	*Quality Assessment of Textiles: Damage Detection by Microscopy, 2nd Ed.*	Springer	2003	260 p, 6.5 x 9.6 Hardcover				3540440720	
353	Kazuhisa Miyoshi	*Solid Lubrication Fundamentals and Applications*	Marcel Dekker	2001	412 p, 6 x 9 Hardcover				824789059	
354	Kee-Hyun Shin	*Tension Control*	TAPPI Press	2000	130 p, 8.5 x 11 Paperback				898523486	
355	Kelvin T. Erickson and John L. Hedrick	*Plantwide Process Control*	Wiley - Interscience	1999	560 p, 7 x 10 Hardcover				471178357	
356	Kenneth E. Rizzo	*Total Production Maintenance: A Guide for the Printing Industry, 2nd Ed.*	GATF	2001	310 p, 7.5 x 10 Hardcover				88362298	
357	Kenton R. Osborne and Wilmer A. Jenkins	*Plastic Films: Technology and Packaging Applications*	Technomic	1992	258 p, 6 x 9 Hardcover				877628432	
358	Kevin D. Belfield and James V. Crivello, eds.	*Photoinitiated Polymerization (ACS Symposium Series 847)*	American Chemical Society	2003	580 p, 6 x 9 Hardcover				841238138	
359	Kevin Kendall	*Molecular Adhesion and Its Applications: The Sticky Universe*	Plenum Press	2001	448 p, 6 x 9 Hardcover				306465205	
360	Kevin P. Menard	*Dynamic Mechanical Analysis: A Practical Introduction Techniques and Applications*	CRC Press	1999	224 p, 6 x 9 Hardcover				849386888	
361	Klaus Doren, Werner Freitag, and Dieter Stoye	*Water-Borne Coatings: The Environmentally-Friendly Alternative*	Hanser Gardner	1994	201 p., 6.5 x 9.5 Hardcover				1569901392	
362	Klaus Hunger and Willy Herbst	*Industrial Organic Pigments: Production, Properties, Applications, 3rd Ed.*	Wiley - VCH	2004	675 p., Hardcover				3527305769	
363	Klaus Hunger, ed.	*Industrial Dyes: Chemistry, Properties, Applications*	Wiley - VCH	2003	684 p, 6.5 x 9.5 Hardcover				3527304266	
364	Konrad Uhlig	*Discovering Polyurethanes*	Hanser Gardner	1999	183 p., 6.3 x 9 Hardcover				1569902720	

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365	Krishna Seshan, ed.	*Handbook of Thin Film Deposition Processes and Technologies, 2nd Ed.*	Noyes Publications	2002	658 p, 6 x 9 Hardcover				815514425	
366	Krister Forsberg and Lawrence H. Keith	*Chemical Protective Clothing Performance Index, 2nd*	Wiley - Interscience	1999	650 p, 7 x 10 Hardcover				471328448	
367	Krister Holmberg, ed.	*Novel Surfactants: Preparation, Applications, and Biodegradability, 2nd Ed.*	Marcel Dekker	2003	648 p, 6 x 9 Hardcover				824743008	
368	Krister Holmberg, ed.	*Handbook of Applied Surface and Colloid Chemistry, Vols. 1 and 2*	John Wiley & Sons	2002	1110 p, 7.4 x 9.7 Hardcover				471490830	
369	Krzystof Matyjaszewski and Thomas P. Davis, eds	*Handbook of Radical Polymerization*	Wiley - Interscience	2002	930 p, 6 x 9 Paperback				47139274	
370	Kunio Esumi and Minoru Ueno, eds.	*Structure - Performance Relationships in Surfactants, 2nd Ed.*	Marcel Dekker	2003	810 p, 6 x 9 Hardcover				824740440	
371	Kunio Esumi, ed.	*Polymer Interfaces and Emulsions*	Marcel Dekker	1999	582 p, 6 x 9 Hardcover				824719751	
372	Kurt Ament	*Indexing: A Nuts-and-Bolts Guide for Technical Writers*	William Andrew	2001	108 p, 6.7 x 9 Paperback				815514816	
373	Kurt W. Kolasinski	*Surface Science: Foundations of Catalysis and Nanoscience*	John Wiley & Sons	2002	318 p, 6.5 x 9.5 Paperback				471492450	
374	L.H. Sperling	*Polymeric Multicomponent Materials: An Introduction*	Wiley - Interscience	1997	415 p, 6 x 9 Hardcover				471041386	
375	Laszlo Roth and George L. Wybenga	*Packaging Designer's Book of Patterns, 2nd Ed.*	John Wiley & Sons	2000	608 p, 8.5 x 11 Paperback				471385042	
376	Leo Mandelkern	*Crystallization of Polymers, 2nd Ed. [Vol. 1: Equilibriun Concepts]*	Cambridge University Press	2002	448 p, 6.8 x 9.7 Hardcover				521816815	
377	Leszek A. Utracki, ed.	*Polymer Blends Handbook (2 Volume Set)*	Kluwer Academic	2003	1488 p, 7.6 x 10.2 Hardcover				1402011148	
378	Lieng-Huang Lee, ed.	*Adhesive Bonding*	Plenum Press	1991	496 p, 6.5 x 9.7 Hardcover				306434717	
379	Lieng-Huang Lee, ed.	*Fundamentals of Adhesion*	Plenum Press	1991	472 p, 6.5 x 9.7 Hardcover				306434709	
380	Liesl K. Massey	*Permeability Properties of Plastics and Elastomers, 2n Ed.: A Guide to Packaging and Barrier Materials*	Plastics Design Library	2003	616 p, 8.5 x 11 Hardcover				1884207979	
381	Liyong Tong and Grant P. Steven	*Analysis and Design of Structural Bonded Joints*	Kluwer Academic	1999	302 p, 6.5 x 9.5 Hardcover				792384946	
382	Luigia Sabbatini and Pier Girogio Zambonin, eds.	*Surface Characterization of Advanced Polymers*	Wiley - VCH	1993	319 p, 6.5 x 9.5 Hardcover				3527285121	
383	M. Strobel, C.S. Lyons, an K.L. Mittal, eds.	*Plasma Surface Modification of Polymers: Relevance t Adhesion*	VSP	1994	300 p, 6.2 x 9.4 Hardcover				9067641642	
384	M.P. Sepe	*Thermal Analysis of Polymers (Rapra Review Report 9*	Rapra	1995	119 p, 8.5 x 11 Paperback				1859571077	
385	Maeve McParland and Nicola Bates, eds.	*Toxicology of Solvents*	Rapra	2002	430 p, 8.3 x 11.7 Hardcover				1859572960	

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Entry	Author	Title	Publisher - Location -	Date	Description	Edition	Call No.	Dynix	ISBN	LCCN
386	Mahendra K. Sharma and F.J. Micale, eds.	*Surface Phenomena and Fine Particles in Water-Based Coatings and Printing Technology*	Plenum Press	1991	343 p, 6.5 x 9.8 Hardcover				306437244	
387	Mahendra K. Sharma, ed.	*Surface Phenomena and Additives in Water-Based Coatings and Printing Technology*	Plenum Press	1991	320 p, 6.5 x 9.8 Hardcover				306441039	
388	Mahendra K. Sharma, ed.	*Surface Phenomena and Latexes in Waterborne Coatings and Printing Techonology*	Plenum Press	1995	240 p, 6.5 x 9.8 Hardcover				306451069	
389	Malay K. Ghosh and K.L. Mittal, eds.	*Polyimides: Fundamentals & Applications*	Marcel Dekker	1996	912 p, 7 x 10 Hardcover				824794664	
390	Malcolm E. Schrader and George I. Loeb, eds.	*Modern Approaches to Wettability: Theory and Applications*	Plenum Press	1992	474 p, 6.5 x 10 Hardcover				306439859	
391	Malgorzata Borowko, ed.	*Computational Methods in Surface and Colloid Science*	Marcel Dekker	2000	950 p, 6 x 9 Hardcover				824703235	
392	Manas Chanda and Salil K Roy	*Plastics Technology Handbook, 3rd Ed.*	Marcel Dekker	1998	1208 p, 6 x 9 Hardcover				82470066	
393	Manfred H. Breede	*Handbook of Graphic Arts Equations*	GATF	1999	248 p, 7.5 x 10 Paperback with				883622467	
394	Marc A. Annacchino	*New Product Development: From Initial Idea to Product Management*	Elsevier	2003	600 p, 7 x 9.2 Hardcover				750677325	
395	Marek Kosmulski	*Chemical Properties of Material Surfaces*	Marcel Dekker	2001	768 p, 7 x 10 Hardcover				824705602	
396	Maria del Pilar Noriega E. and Chris Rauwendaal	*Troubleshooting the Extrusion Process: A Systematic Approach to Solving Plastic Extrusion Problems*	Hanser Gardner	2001	168 p, 6.5 x 9.5 Hardcover				1569903204	
397	Marie B. Teixeira and Richard Bradley	*Design Controls for the Medical Device Industry*	Marcel Dekker	2003	250 p, 6 x 9 Hardcover				82470830	
398	Markus Antonietti, ed.	*Colloid Chemistry II*	Springer	2003	240 p, 6 x 9.3 Hardcover				3540004181	
399	Martin A. Abraham and Luc Moens, eds.	*Clean Solvents: Alternative Media for Chemical Reactions and Processing (ACS Symposium Series 81*	American Chemical Society	2002	286 p, 6 x 9 Hardcover				841237794	
400	Martin J. Forrest	*Analysis of Thermoset Materials, Precursors and Products (Rapra Review Report 162)*	Rapra	2003	156 p, 8.2 x 11.6 Paperback				1859573908	
401	Martin J. Forrest	*Analysis of Plastics (Rapra Review Report 149)*	Rapra	2002	160 p, 8.5 x 11 Paperback				1859573339	
402	Martin Malmsten	*Surfactants and Polymers in Drug Delivery*	Marcel Dekker	2002	356 p, 6 x 9 Hardcover				824708040	
403	Martin Malmsten, ed.	*Biopolymers at Interfaces, 2nd Ed.*	Marcel Dekker	2003	920 p, 7 x 10 Hardcover				824708636	
404	Mary Helen Briscoe	*Preparing Scientific Illustrations: A Guide to Better Posters, Presentations, and Publications, 2nd Ed.*	Springer	1996	216 p, 7 x 10 Paperback				387945814	
405	Max Sherman, ed.	*Medical Device Packaging Handbook*	Marcel Dekker	1998	410 p, 6 x 9 Hardcover				824701992	
406	Menachem Lewin and Eli M. Pearce, eds.	*Handbook of Fiber Chemistry, 2nd Ed.*	Marcel Dekker	1998	1105 p, 6 x 9 Hardcover				824794710	
407	Merry Keating	*How to Assure Quality in Plastics*	Hanser Gardner	1995	231 p, 6.2 x 9 Hardcover				1569901805	

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408	Michael Alley	*Craft of Scientific Writing, 3rd Ed.*	Springer	1996	297 p, 6 x 9 Paperback				387947663	
409	Michael E. Brown	*Introduction to Thermal Analysis: Techniques and Applications, 2nd Ed.*	Kluwer Academic	2001	276 p, 6.3 x 9.5 Paperback				1402004729	
410	Michael J. Whalen-Shaw, ed.	*Binder Migration in Paper and Paperboard Coatings*	TAPPI Press	1993	140 p, 8.5 x 11 Paperback				898522706	
411	Michael Kouris, ed.	*Dictionary of Paper, 5th Ed.*	TAPPI Press	1996	353 p, 7 x 10 Hardcover				898520592	
412	Michael P. Sepe	*Dynamic Mechanical Analysis for Plastics Engineering*	Plastics Design Library	1998	200 p, 8.5 x 11 Paperback				1884207642	
413	Michael Szycher	*Szycher's Handbook of Polyurethanes*	CRC Press	1999	700 p., 7 x 10 Hardcover				0849306027	
414	Morton Rosoff, ed.	*Nano-Surface Chemistry*	Marcel Dekker	2002	692 p, 7 x 10 Hardcover				824702549	
415	N. Inagaki	*Plasma Surface Modification and Plasma Polymerizatic*	Technomic	1996	276 p, 6 x 9 Hardcover				1566763371	
416	Nelson R. Eldred	*What the Printer Should Know About Ink, 3rd Ed.*	GATF	2001	350 p, 7.5 x 10 Hardcover				88362284	
417	Nicholas P. Cheremisinoff	*Polymer Characterization: Laboratory Techniques and Analysis*	Noyes Publications	1996	264 p, 6.2 x 9.2 Hardcover				815514034	
418	Nicholas P. Cheremisinoff	*Industrial Solvents Handbook, 2nd Ed.*	Marcel Dekker	2003	358 p, 6 x 9 Hardcover				824740335	
419	Nicholas P. Cheremisinoff and Paul N. Cheremisinoff	*Handbook of Applied Polymer Processing Technology*	Marcel Dekker	1996	802 p., 6 x 9 Hardcover				0824796799	
420	Nico M. van Os, ed.	*Nonionic Surfactants: Organic Chemistry*	Marcel Dekker	1998	305 p, 6 x 9 Hardcover				824799976	
421	Nikola Kallay, ed.	*Interfacial Dynamics*	Marcel Dekker	2000	750 p, 7 x 10 Hardcover				824700066	
422	O.-G. Piringer and A.L. Baner, eds.	*Plastic Packaging Materials for Food: Barrier Function, Mass Transport, Quality Assurance, and Legislation*	Wiley - VCH	2000	610 p, 6.5 x 9.5 Hardcover				3527288686	
423	Olagoke Olabisi, ed.	*Handbook of Thermoplastics*	Marcel Dekker	1997	1072 p, 7 x 10 Hardcover				824797973	
424	P.C. Painter and M.M. Coleman	*Fundamentals of Polymer Science: An Introductory Te 2nd Ed.*	Technomic	1997	492 p, Hardcover				1566765595	
425	P.G. Koutsoukos, ed.	*Trends in Colloid and Interface Science XV (Progress i Colloid and Polymer Science, Vol. 118)*	Springer	2001	310 p, 8.2 x 10.8 Hardcover				3540422412	
426	P.K. Chatterjee and B.S. Gupta, eds.	*Absorbent Technology*	Elsevier	2002	498 p, 6.5 x 9.5 Hardcover				444500006	
427	P.K.T. Oldring, ed.	*Resins for Surface Coatings, 2nd Ed. [Vol. 1: Acrylics Epoxies]*	Wiley - SITA Technology	2001	374 p, 6.5 x 9 Hardcover				471978949	
428	P.K.T. Oldring, ed.	*Chemistry & Technology of UV & EB Formulation for Coatings, Inks & Paints, Vol. 5: Speciality Finishes*	Wiley - SITA Technology	1997	272 p, 6.5 x 9 Hardcover				471978809	
429	P.K.T. Oldring, ed.	*Resins for Surface Coatings, 2nd Ed. [Vol. 2: Alkyds Polyesters]*	Wiley - SITA Technology	2001	226 p, 6.5 x 9 Hardcover				471978957	

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430	Pacific Northwest Society for Coatings Technology	*Introduction to Quality Control Testing Video*	FSCT		VHS format					
431	Patrick Laden, ed.	*Chemisty and Technology of Water Based Inks*	Blackie Academic & Professional	1997	359 p, 6 x 9 Hardcover				75140165	
432	Paul Becher	*Emulsions: Theory and Practice, 3rd Ed.*	American Chemical Society	2001	520 p, 6 x 9.2 Hardcover				841234965	
433	Paul C. Hiemenz and Raj Rajagopalan	*Principles of Colloid and Surface Chemistry, 3rd Ed.*	Marcel Dekker	1997	670 p, 7 x 10 Hardcover				824793978	
434	Paul Joos	*Dynamic Surface Phenomena*	VSP	1999	374 p, 6.7 x 9.8 Hardcover				9067643009	
435	Peter A. Ciullo and Normar Hewitt	*Rubber Formulary*	Plastics Design Library	1999	765 p, 6 x 9 Hardcover				815514344	
436	Peter Bamfield	*Research and Development Management in the Chemical and Pharmaceutical Industry, 2nd Ed.*	Wiley - VCH	2003	280 p, 6.6 x 9.5 Hardcover				3527306676	
437	Peter Brehm	*Introduction to Densitometry: A User's Guide to Print Production Measurement Using Densitometry, 2nd Ed.*	Graphic Communication Association	1999	100 p, 7 x 10 Paperback				933505116	
438	Peter S. Johnson	*Rubber Processing: An Introduction*	Hanser Gardner	2001	158 p, 6.5 x 9.5 Hardcover				1569903093	
439	Peter Wasserscheid and Tom Welton, eds.	*Ionic Liquids in Synthesis*	Wiley - VCH	2003	380 p, 9.4 x 0 Hardcover				3527305157	
440	Philip E. Slade	*Handbook of Fiber Finish Technology*	Marcel Dekker	1998	534 p, 6 x 9 Hardcover				824700481	
441	Phillip A. Cloud	*Engineering Procedures Handbook*	Noyes Publications	1997	432 p, 8.5 x 11 Hardcover				815514107	
442	Phillip N. Hutton	*Statistical Sampling in the Pressroom: GATF Research Technology Report 12*	GATF	1999	20 p, 8.5 x 11 Paperback					
443	Pierre Gilles de Gennes	*Soft Interfaces: The 1994 Dirac Memorial Lecture*	Cambridge University Press	1997	128 p, 5 x 7.2 Hardcover				521564174	
444	Plastics Design Library Staf	*Effect of UV Light and Weather on Plastics and Elastomers*	Plastics Design Library	1994	491 p, 8.5 x 11 Hardcover				1884207111	
445	Plastics Design Library Staf	*Fatigue and Tribological Properties of Plastics and Elastomers*	Plastics Design Library	1995	537 p, 8.5 x 11 Hardcover				1884207154	
446	Plastics Design Library Staf	*Handbook of Plastics Joining: A Practical Guide*	Plastics Design Library	1997	485 p, 8.5 x 11 Hardcover				1884207170	
447	Promod Kumar and K.L. Mittal, eds.	*Handbook of Microemulsion Science and Technology*	Marcel Dekker	1999	860 p, 7 x 10 Hardcover				824719794	
448	R. Duane Smith, ed.	*Roll and Web Defect Terminology*	TAPPI Press	1995	261 p, 8.5 x 11 Paperback				89852279	
449	R. Shankar Subramanian and R. Balasubramaniam	*Motion of Bubbles and Drops in Reduced Gravity*	Cambridge University Press	2001	488 p, 7 x 10 Hardcover				521496055	

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450	R.A. Pethrick and J.V. Dawkins, eds.	*Modern Techniques for Polymer Characterisation*	John Wiley & Sons	1999	410 p, 6 x 9 Hardcover				471960977	
451	R.D. Adams, J. Comyn, and W.C. Wake	*Structural Adhesive Joints in Engineering, 2nd Ed.*	Chapman & Hall	1997	370 p, 6 x 9 Hardcover				412709201	
452	R.H. Muller and W. Mehnert, eds.	*Particle and Surface Characterisation Methods*	CRC Press	1998	280 p, Hardcover				3887630572	
453	R.J. Del Vecchio	*Understanding Design of Experiments: A Primer for Technologists*	Hanser Gardner	1997	187 p, 6 x 9 Paperback				1569902224	
454	R.M. Johnson, L.Y. Mwaikambo, and N. Tucke	*Biopolymers (Rapra Review Report 159)*	Rapra	2003	148 p, 8.2 x 11.5 Paperback				1859573797	
455	R.N. Datta	*Rubber Curing Systems (Rapra Review Report 144)*	Rapra	2002	152 p, 8.2 x 11.5 Paperback				1859573266	
456	R.N. Rothon	*Particulate Fillers for Polymers (Rapra Review Report 141)*	Rapra	2002	160 p, 8.2 x 11.5 Paperback				185957310	
457	R.S. Davidson	*Radiation Curing (Rapra Review Report 136)*	Rapra	2001	128 p, 8.3 x 11.5 Paperback				185957288	
458	R.W. Richards and S.K. Pearce, eds.	*Polymer Surfaces & Interfaces III*	John Wiley & Sons	1999	316 p, 6 x 9 Hardcover				471982865	
459	Rajpal S. Sirohi and Fook Siong Chau	*Optical Methods of Measurement: Wholefield Techniqu*	Marcel Dekker	1999	338 p, 6 x 9 Hardcover				824760034	
460	Ramaiah Muthyala, ed.	*Chemistry and Applications of Leuco Dyes*	Plenum Press	1997	320 p, 6 x 9 Hardcover				306454599	
461	Ramanan Krishnamoorti and Richard A. Vaia, eds.	*Polymer Nanocomposites: Synthesis, Characterization and Modeling (ACS Symposium Series 804)*	American Chemical Society	2001	252 p, 6 x 9 Hardcover				841237689	
462	Ramon J. Albalak	*Polymer Devolatilization*	Marcel Dekker	1996	736 p, 6 x 9 Hardcover				824796276	
463	Raphael M. Ottenbrite, ed.	*Frontiers in Biomedical Polymer Applications, Vol. 1*	Technomic	1998	331 p, 6 x 9 Hardcover				1566765773	
464	Richard A. Pethrick and Gennady E. Zaikov, eds.	*Polymer Yearbook 18*	Rapra	2003	426 p, 7.3 x 9.8 Paperback				1859573835	
465	Richard C. Neuman	*Experimental Strategies for Polymer Scientists and Plastics Engineers*	Hanser Gardner	1997	168 p, 6 x 9 Hardcover				1569902240	
466	Richard J. LaPorte	*Hydrophilic Polymer Coatings for Medical Devices: Structure/Properties, Development, Manufacture and Applications*	Technomic	1997	198 p, 6 x 9 Paperback				1566765048	
467	Richard M. Adams II and Joshua B. Weisberg	*GATF Practical Guide to Color Management, 2nd Ed.*	GATF	2000	250 p, 7.5 x 10 Hardcover				883622483	
468	Richard P. Wool	*Polymer Interfaces: Structure and Strength*	Hanser Gardner	1995	494 p, 6.2 x 9 Hardcover				1569901333	
469	Richard S. Lewis, Sr.	*Hawley's Condensed Chemical Dictionary, 14th Print E*	John Wiley & Sons	2001	1240 p, 7 x 10 Hardcover				471387355	
470	Richard S. Parnas	*Liquid Composite Molding*	Hanser Gardner	2000	180 p, 6.5 x 9.5 Hardcover with				1569902879	

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471	Richard W. Lack, ed.	*Safety, Health, and Asset Protection: Management Essentials, 2nd Ed.*	St. Lucie Press	2002	886 p, 6 x 9.2 Hardcover				1566703700	
472	Robert A. Charvat, ed.	*Coloring of Plastics: Fundamentals, 2nd Ed.*	Wiley - Interscience	2004	450 p, 7 x 10 Hardcover				471139068	
473	Robert C. Portnoy, ed.	*Medical Plastics: Degradation Resistance & Failure Analysis*	Plastics Design Library	1998	220 p, 7 x 8.5 Hardcover				188420760	
474	Robert E. Maizell	*How to Find Chemical Information: A Guide for Practic Chemists, Educators, and Students, 3rd Ed.*	John Wiley & Sons	1998	540 p, 6 x 9 Hardcover				471125792	
475	Robert F. Brady, ed.	*Comprehensive Desk Reference of Polymer Characterization and Analysis*	Oxford University Press	2003	772 p, 8.5 x 11 Hardcover				841236658	
476	Robert H. Wildi and Christian Maier	*Understanding Compounding*	Hanser Gardner	1998	199 p, 6 x 9 Paperback				1569902283	
477	Robert J. Alaimo, ed.	*Handbook of Chemical Health and Safety*	American Chemical Society	2001	672 p, 8.5 x 11 Hardcover				841236704	
478	Robert J. Stokes and D. Fennell Evans	*Fundamentals of Interfacial Engineering*	Wiley - VCH	1997	729 p, 7 x 10 Hardcover				471186473	
479	Robert P. Campion	*Permeation through Polymers for Process Industry Applications*	Materials Technology Institute	2000	160 p, 6 x 9 Hardcover				444500529	
480	Robert W. Hagemeyer, ed.	*Pigments for Paper*	TAPPI Press	1997	271 p, 6 x 9 Hardcover				898520649	
481	Roger Brown, ed.	*Handbook of Polymer Testing: Short-Term Mechanical Tests*	Rapra	2002	220 p, 7.3 x 9.8 Paperback				185957324	
482	Rointan F. Bunshah, ed.	*Handbook of Deposition Technologies for Films and Coatings: Science, Technology and Applications, 2nd E*	Noyes Publications	1994	888 p, 6 x 9 Hardcover				815513372	
483	Rolf G. Kuehni	*Color: An Introduction to Practice and Principles*	Wiley - Interscience	1997	194 p, 6 x 9.2 Hardcover				471145661	
484	Rolf G. Kuehni	*Color Space and Its Divisions: Color Order from Antiqu to the Present*	Wiley - Interscience	2003	424 p, 6.1 x 9.2 Hardcover				471326704	
485	Ronald M. Harris, ed.	*Coloring Technology for Plastics*	Plastics Design Library	1999	341 p, 7 x 8.5 Hardcover				1884207782	
486	Ronald Pilchik	*Validating Medical Packaging*	CRC Press	2003	160 p, 6 x 9 Hardcover				1566768071	
487	Ronald R. Willey	*Practical Design and Production of Optical Thin Films, 2nd Ed.*	Marcel Dekker	2002	560 p, 6 x 9 Hardcover				824708490	
488	Rose A. Ryntz and Philip V. Yaneff, eds.	*Coatings of Polymers and Plastics*	Marcel Dekker	2003	370 p, 6 x 9 Hardcover				824708946	
489	Rossman F. Giese and Carel J. van Oss, eds.	*Colloid and Surface Properties of Clays and Related Minerals*	Marcel Dekker	2002	308 p, 6 x 9 Hardcover				82479527	
490	Roy W. Buckley	*Polymer Enhancement of Technical Textiles (Rapra Review Report 165)*	Rapra	2003	134 p, 8.2 x 11.5 Paperback				1859573959	

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491	Russell L. Smith	*Improving Flexo Folder-Gluer and Soft Anvil Rotary Diecutting Operations in the Making of Corrugated Packaging*	Jelmar Publishing	1998	485 p, 8.5 x 11 Paperback				1885067135	
492	Russell L. Smith	*Flexo Folder-Gluer/Rotary Diecutter Problem Identification Guide*	Jelmar Publishing	1998	72 p, 8.5 x 11 Paperback				1885067143	
493	S. Morita, R. Wiesendanger, and E. Meyer, eds.	*Noncontact Atomic Force Microscopy*	Springer	2002	460 p, 6 x 9.2 Hardcover				3540431179	
494	Samuel B. Hoff	*Screen Printing: A Contemporary Approach*	Delmar	1997	298 p, 8 x 9 Hardcover				827371284	
495	Samuel H. Yalkowski	*Solubility and Solubilization in Aqueous Media*	American Chemical Society	1999	496 p, 6.1 x 9.2 Hardcover				841235767	
496	Samuel H. Yalkowsky and Yan He	*Handbook of Aqueous Solubility Data*	CRC Press	2003	1512 p, 7 x 10 Hardcover				849315328	
497	Samuel Ingram	*Screen Printing Primer, 2nd Ed.*	GATF	1999	152 p, 5.5 x 8.5 Paperback				883622076	
498	Sara J. Risch, ed.	*Food Packaging: Testing Methods and Applications (ACS Symposium Series 753)*	American Chemical Society	2000	174 p, 6 x 9 Hardcover				841236178	
499	Sarfaraz K. Niazi	*Filing Patents Online: A Professional Guide*	CRC Press	2003	450 p, 6 x 9.2 Paperback				849316243	
500	Severian Dumitriu, ed.	*Polymeric Biomaterials, 2nd Ed.*	Marcel Dekker	2002	1184 p, 8.5 x 11 Hardcover				824705696	
501	Shalaby W. Shalaby and Karen J.L. Burg	*Absorbable and Biodegradable Polymers*	CRC Press	2003	296 p, 6.1 x 9.2 Hardcover				849314844	
502	Shau-Tarng Lee, ed.	*Foam Extrusion: Principles and Practice*	Technomic	2000	365 p, 6 x 9 Hardcover				1566768799	
503	Sidney H. Goodman, ed.	*Handbook of Thermoset Plastics, 2nd Ed.*	Noyes Publications	1998	604 p, 6 x 9.3 Hardcover				815514212	
504	Stan Grainger and Jane Blunt, eds.	*Engineering Coatings - Design and Application, 2nd Ed*	William Andrew	1998	331 p, 6.7 x 9.6 Hardcover				1884207685	
505	Stavros Kromidas	*Practical Problem Solving in HPLC*	Wiley - VCH	2000	194 p, 6.8 x 9.5 Paperback				3527298428	
506	Stephan F. Kistler and Peter M. Schweizer, eds.	*Liquid Film Coating: Scientific Principles and Their Technological Implications*	Chapman & Hall	1997	795 p, 7.5 x 9.5 Hardcover				412064812	
507	Stephen C. DeVito and Carol A. Farris	*Premanufacture Notification: Chemistry Assistance for Submitters*	John Wiley & Sons	1997	144 p, 8.5 x 11 Hardcover				471191515	
508	Stephen Elias	*Trademark: Legal Care for Your Business & Product Name, 6th Ed.*	Nolo Press	2003	340 p, 7 x 9 Paperback				873379454	
509	Stephen R. Elias	*Patent, Copyright and Trademark, 5th Ed.*	Nolo Press	2002	512 p, 7 x 9 Paperback				873378482	
510	Stephen Z.D. Cheng, ed.	*Handbook of Thermal Analysis and Calorimetry [Vol. 3 Applications to Polymers and Plastics]*	Elsevier	2003	858 p, 6.5 x 9.5 Hardcover				444512861	

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511	Steven M. Kaplan	*Wiley's English-Spanish/Spanish-English Chemistry Dictionary: Diccionario de Quimica Ingles-Espanol, Espanol-Ingles*	Wiley - Interscience	1998	537 p, 7 x 10 Paperback				471249238	
512	Stoyko Fakirov, ed.	*Handbook of Thermoplastic Polyesters*	John Wiley & Sons	2002	1416 p., 6.6 x 9.4 Hardcover				3527301135	
513	Sudhin Datta and David J. Lohse	*Polymeric Compatibilizers: Uses and Benefits in Polym Blends*	Hanser Gardner	1996	550 p, 6.5 x 9.5 Hardcover				1569901945	
514	Sue Halliwell	*Polymers in Building and Construction (Rapra Review Report 154)*	Rapra	2002	136 p, 8.5 x 11 Paperback				1859573622	
515	Susan E.M. Selke	*Understanding Plastics Packaging Technology*	Hanser Gardner	1997	220 p, 6 x 9 Paperback				1569902348	
516	SVC Staff	*Society of Vacuum Coaters Technical Conference Proceedings 1991-2000 CD-ROM Edition*	Society of Vacuum Coaters	2001	0 p, CD-ROM				815514824	
517	Swaraj Paul	*Surface Coatings: Science and Technology, 2nd Ed.*	John Wiley & Sons	1996	946 p, 6 x 9 Hardcover				471958182	
518	T. Hatakeyama and F.X. Quinn	*Thermal Analysis: Fundamentals and Applications to Polymer Science, 2nd Ed.*	John Wiley & Sons	1999	190 p, 6 x 9 Hardcover				471983624	
519	T. Nylander and B. Lindman, eds.	*Lipid and Polymer-Lipid Systems (Progress in Colloid and Polymer Science, Vol. 120*	Springer	2002	108 p, 8.2 x 10.8 Hardcover				3540430016	
520	T. Razamus, B. Lindman, and T. Nylander, eds.	*Surface and Colloid Science (Progress in Colloid and Polymer Science, Vol. 116)*	Springer	2001	166 p, 8.2 x 10.8 Hardcover				354067814	
521	T.C. Chung, ed.	*New Advances in Polyolefins*	Plenum Press	1993	256 p, 6.5 x 9.8 Hardcover				306445883	
522	T.C. Mike Chung	*Functionalization of Polyolefins*	Academic Press	2002	288 p, 6 x 9 Hardcover				121746518	
523	T.E. Rolando	*Solvent-Free Adhesives (Rapra Review Report 101)*	Rapra	1997	136 p, 8.5 x 11 Paperback				1859571336	
524	T.E. Rolando	*Flexible Packaging - Adhesives, Coatings and Process (Rapra Review Report 122)*	Rapra	2000	114 p, 8.3 x 11.5 Paperback				1859572316	
525	T.R. Crompton	*Manual of Plastics Analysis*	Plenum Press	1998	524 p, 6.5 x 9.8 Hardcover				306459124	
526	Tara E. Miller, ed.	*Introduction to Composites, 4th Ed.*	Composites Institute	1998	100 p, 6 x 9 Paperback				1566766591	
527	Tatyana A. Davletshina	*Industrial Fire Safety Guidebook*	Noyes Publications	1998	540 p, 6 x 9 Hardcover				815514204	
528	Tatyana A. Davletshina and Nicholas P. Cheremisinoff	*Fire and Explosion Hazards Handbook of Industrial Chemicals*	Noyes Publications	1998	494 p, 7 x 10 Hardcover				815514298	
529	Terrance E. Conners and Sujit Banerjee, eds.	*Surface Analysis of Paper*	CRC Press	1995	368 p, 7 x 10 Hardcover				849389925	
530	Thomas A. Ratliff	*Laboratory Quality Assurance System: A Manual of Quality Procedures and Forms, 3rd Ed.*	Wiley - Interscience	2003	244 p, 8.5 x 11 Paperback with				471269182	
531	Thomas Bezigian, ed.	*Extrusion Coating Manual, 4th Ed.*	TAPPI Press	1999	331 p, 8.5 x 11 Hardcover				898520673	

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532	Thomas I. Butler and Earl W. Veazey, eds.	*Film Extrusion Manual: Process, Materials, Properties*	TAPPI Press	1992	791 p, 8.5 x 11 Paperback				898522501	
533	Thomas J. Pinnavaia and G.W. Beall, eds.	*Polymer-Clay Nanocomposites*	John Wiley & Sons	2000	368 p, 6 x 9 Hardcover				471637009	
534	Thomas M. Destree, ed.	*Lithographers Manual, 9th Ed.*	GATF	1994	420 p, 8.5 x 11 Hardcover				88362169	
535	Thomas M. Schmitt	*Analysis of Surfactants, 2nd Ed.*	Marcel Dekker	2001	648 p, 6.8 x 10 Hardcover				824704495	
536	Thomas Pyzdek (edited by Paul A. Keller)	*Quality Engineering Handbook, 2nd Ed.*	Marcel Dekker	2003	744 p, 8.5 x 11 Hardcover				824746147	
537	Thomas T. Gordon and Arthur S. Cookfair	*Patent Fundamentals for Scientists and Engineers, 2nd Ed.*	Lewis Publishers	2000	168 p, 6 x 9 Paperback				1566705177	
538	Tim A. Osswald and Georg Menges	*Materials Science of Polymers for Engineers, 2nd Ed.*	Hanser Gardner	2003	640 p, 6.3 x 9 Hardcover				1569903484	
539	Torben Smith Sorensen, ed.	*Surface Chemistry and Electrochemistry of Membrane*	Marcel Dekker	1999	1030 p, 6 x 9 Hardcover				824719220	
540	Toshitaka Kanai and Gregory A. Campbell, eds.	*Film Processing*	Hanser Gardner	1999	400 p, 6.5 x 9.5 Hardcover				1569902526	
541	V.B. Fainerman, D. Mobius, and R. Miller, eds	*Surfactants: Chemistry, Interfacial Properties, Applicat*	Elsevier	2001	678 p, 6.5 x 9.5 Hardcover with				444509623	
542	Victor M. Litvinov and Prajna P. De, eds.	*Spectroscopy of Rubbers and Rubbery Materials*	Rapra	2002	650 p, 7.2 x 9.8 Hardcover				1859572804	
543	Vishu Shah	*Handbook of Plastics Testing Technology, 2nd Ed.*	Wiley - Interscience	1998	368 p, 7 x 10 Hardcover				471182028	
544	Vladimir V. Tsukruk and Nicholas D. Spencer, eds.	*Advances in Scanning Probe Microscopy of Polymers (Macromolecular Symposia 167)*	Wiley - VCH	2001	316 p, 6 x 9.2 Hardcover				3527303294	
545	W. Carl Gottschall and Douglas B. Walters	*Laboratory Health & Safety Dictionary*	John Wiley & Sons	2001	468 p, 6 x 9 Paperback				471283177	
546	W.J. Feast, H.S. Munro, and R.W. Richards, eds.	*Polymer Surfaces and Interfaces II*	John Wiley & Sons	1993	314 p, 6 x 9 Hardcover				471934569	
547	W.J. van Ooji and H.R. Anderson, Jr., eds.	*First International Congress on Adhesion Science and Technology: Festschrift in Honor of Dr. K.L. Mittal on t Occasion of his 50th Birthday*	VSP	1998	948 p, 6.2 x 9.4 Hardcover				9067642916	
548	W.R. Vieth	*Diffusion in and Through Polymers: Principles and Applications*	Hanser Gardner	1991	336 p, Hardcover				1569901066	
549	Walter Fung	*Coated and Laminated Textiles*	CRC Press	2002	416 p, 6 x 9 Hardcover				849314487	
550	Warren S. Perkins	*Textile Coloration and Finishing*	Carolina Academic Press	1996	248 p, 6 x 9 Hardcover				890898855	
551	Werner Kleeman and Kurt Weber	*Elastomer Processing: Formulas and Tables*	Hanser Gardner	1998	214 p, 6 x 9 Paperback				1569902658	

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552	William E. Hawkins	*Plastic Film and Foil Web Handling Guide*	CRC Press	2003	192 p, 6 x 9 Hardcover				1587161524	
553	William H. McNeese and Robert A. Klein	*Statistical Methods for the Process Industries*	Marcel Dekker	1991	528 p, 8.5 x 11 Paperback				82478524	
554	William M. Nelson	*Green Solvents for Chemistry: Perspectives and Pract*	Oxford University Press	2003	400 p, 6 x 9.2 Hardcover				195157362	
555	Wim Groenewoud	*Characterisation of Polymers by Thermal Analysis*	Elsevier	2001	394 p, 6.5 x 9.5 Hardcover				444506047	
556	Witold Brostow, ed.	*Performance of Plastics*	Hanser Gardner	2001	710 p, 6.5 x 9.5 Hardcover				1569902771	
557	Wolfgang Glenz, ed.	*Glossary of Plastics Terminology in Five Languages, 5 Ed.*	Hanser Gardner	2001	390 p, 4.6 x 7.5 Paperback with				156990328	
558	Ya-Ping Sun, ed.	*Supercritical Fluid Technology in Materials Science and Engineering: Synthesis, Properties, and Applications*	Marcel Dekker	2002	592 p, 6 x 9 Hardcover				82470651	
559	Yip-Wah Chung	*Practical Guide to Surface Science and Spectroscopy*	Academic Press	2001	200 p, 6 x 9 Hardcover with CD-				121746100	
560	Yizhak Marcus	*Solvent Mixtures: Properties and Selective Solvation*	Marcel Dekker	2002	278 p, 6 x 9 Hardcover				824708377	
561	Yoshito Ikada and Yoshikimi Uyama	*Lubricating Polymer Surfaces*	Technomic	1993	184 p, 6 x 9 Paperback				1566760135	
562	Zafer Gurdal, Raphael T. Haftka, and Prabhat Hajela	*Design and Optimization of Laminated Composite Materials*	Wiley - Interscience	1999	349 p, 6 x 9 Hardcover				47125276	
563	Zbigniew K. Walczak	*Processes of Fiber Formation*	Elsevier	2002	424 p, 6.5 x 9.5 Hardcover				80440401	
564	Zory V. Todres	*Organic Ion Radicals: Chemistry and Applications*	Marcel Dekker	2003	456 p, 7 x 10 Hardcover				824708105	

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