

Polycarbonate Extrusion Processing Guide

Polymers for 3D Printing: Methods, Properties, and Characteristics provides a detailed guide to polymers for 3D printing, bridging the gap between research and practice, and enabling engineers, technicians and designers to utilise and implement this technology for their products or applications. Presents the properties, attributes, and potential applications of the polymeric materials used in 3D printing Analyses and compares the available methods for 3D printing, with an emphasis on the latest cutting-edge technologies Enables the reader to select and implement the correct 3D printing technology, according to polymer properties or product requirements

An abridgement of a 17-volume set of instructional materials, this guide offers brief descriptions of some 130 manufacturing processes, tools, and materials in such areas a mechanical, thermal, and chemical reducing; consolidation; deformation; and thermal joining. Includes numerous tables and illustrations. Annotation copyright by Book News, Inc., Portland, OR

This 7th international conference was dedicated to blowing agents and process technology for foamed plastics and rubber. These proceedings provide excellent coverage of the key topics of interest to the industry. There are a good variety of papers on innovations in foaming technology and new applications of blowing agents, with sessions on foaming polyurethane and thermoplastics. There is also a very interesting overview paper on environmental issues and new legislation affecting the industry, particularly in construction applications. Conference proceedings from 'Antec 2001' held on 6-10 May 2001 in Dallas, Texas. This includes the Volume III topic of Special Areas Color and Appearance Division.

Regulation of Food Packaging in Europe and the USA

Plastics Technology

Official Reference Book and Buyers' Guide

Stuttgart, Germany, 10-11 May 2005

Dallas, Texas, May 6-10 : Conference Proceedings

Handbook of Plastics Joining

Structure and Properties of Additive Manufactured Polymer Components provides a state-of-the-art review from leading experts in the field who discuss key developments that have appeared over the last decade or so regarding the use of additive manufacturing (AM) methods in the production of neat and reinforced polymeric components. A major focus is given to materials science aspects, i.e., how the quality of the polymer preforms, the parameters of the chosen AM method, and how these factors can affect the microstructure and properties of the final product. The book not only covers production technologies and the relationship between processing, microstructure and fundamental properties of the produced parts, but also gives readers ideas on the use of AM polymer parts in medicine, automotive, aerospace, tribology, electronics, and more. Focuses on industrial aspects and applications Dedicated purely to recent advances in polymer composite additive manufacturing Emphasizes processing, structure and property relationships

Troubleshooting extrusion problems is one of the most challenging tasks in extrusion operations, requiring a good understanding of the extrusion process and the material properties, good instrumentation, good analysis tools, and a systematic and logical approach. This book addresses all issues crucial in extrusion troubleshooting. Additionally, it includes industrial case studies, richly illustrated with photographs and photomicrographs, used to provide exemplary approaches to efficient problem analysis and problem solving. The interconnectivity between the different relevant knowledge areas such as materials engineering, processing technology, and product development is emphasized. This revised third edition comprises a very significant update, with a great deal of new content, especially focusing on additional case studies as well as new sections on collection and interpretation of extrusion process data, rotational rheometry, the smartphone, how screw design can affect extruder performance, melt temperature variation, recent research on automatic optimization of extruder barrel temperatures, process signal analysis using Fast Fourier Transform, among other topics.

The explosion of plastic material development continues to generate a proliferation of conversion processes and variants of these methods. Unfortunately, most books on plastics conversion focus on a single process, such as injection molding, limiting their usefulness to readers without prior knowledge of the field. Few, if any, single-source texts adequately describe and compare each of the plastic conversion processes together. Plastic Conversion Processes: A Concise and Applied Guide addresses that need. It provides a basic overview of each of the seven major conversion processes, which account for the creation of more than 97 percent of all plastics products today. This detailed guide assembles and integrates the wealth of information scattered throughout various literature, to provide a basic yet complete illustration of plastic conversion processes. Learn Methods to Compare, Evaluate, and Select the Best Process for Your Product This book is unique in that it employs an all-encompassing approach, offering more than a mere overview of basic theory and application related to each major process. Chapters begin with a process-attribute table to serve as a quick guide, and then briefly describe a particular conversion process. To ensure comprehensive understanding of each method and how it works, sections include a short history and detailed explanation of the particular equipment, tooling, and materials used, as well as general piece part design guidelines and case studies gleaned from real-life experience. There is a plastic term for every letter of the alphabet, making it one of the most complex fields in science. A "quick reference" section at the end of the book includes an exhaustive collection of more than 350 terms, definitions, acronyms, and a key process characteristics comparison chart. Supplemented with photos, diagrams, and illustrations that bolster understanding of the material, this book characterizes the plastics industry in a way that makes it less intimidating, to help those new to the field fully grasp the entire spectrum of the field. With its uncommon consolidation of information, this volume quickly and effectively brings readers up to speed on plastic conversion processes.

An outstanding and thorough presentation of the complete field of plastics processing Handbook of Plastic Processes is the only comprehensive reference covering not just one, but all major processes used to produce plastic products-helping designers and manufacturers in selecting the best process for a given product while enabling users to better understand the performance characteristics of each process. The authors, all experts in their fields, explain in clear, concise, and practical terms the advantages, uses, and limitations of each process, as well as the most modern and up-to-date technologies available in their application. Coverage includes chapters on: Injection molding Compression and transfer molding Sheet extrusion Blow molding Calendering Foam processing Reinforced plastics processing Liquid resin processing Rotational molding Thermoforming Reaction

injection molding Compounding, mixing, and blending Machining and mechanical fabrication Assembly, finishing, and decorating Each chapter details a particular process, its variations, the equipment used, the range of materials utilized in the process, and its advantages and limitations. Because of its increasing impact on the industry, the editor has also added a chapter on nanotechnology in plastics processing.

Basics of Troubleshooting in Plastics Processing

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The Definitive Processing Guide and Handbook

Permeability Properties of Plastics and Elastomers, 2nd Ed.

Packaging

Methods, Properties, and Characteristics

Polypropylene: The Definitive User's Guide and Databook presents in a single volume a panoramic and up-to-the-minute user's guide for today's most important thermoplastic. The book examines every aspect of science, technology, engineering, properties, design, processing, applications of the continuing development and use of polypropylene. The unique treatment means that specialists can not only find what they want but for the first time can relate to and understand the needs and requirements of others in the product development chain. The entire work is underpinned by very extensive collections of property data that allow the reader to put the information to real industrial and commercial use. Despite the preeminence and unrivaled versatility of polypropylene as a thermoplastic material to manufacture, relatively few books have been devoted to its study. Polypropylene: The Definitive User's Guide and Databook not only fills the gap but breaks new ground in doing so. Polypropylene is the most popular thermoplastic in use today, and still one of the fastest growing. Polypropylene: The Definitive User's Guide and Databook is the complete workbook and reference resource for all those who work with the material. Its comprehensive scope uniquely caters to polymer scientists, plastics engineers, processing technologists, product designers, machinery and mold makers, product managers, end users, researchers and students alike.

Nikkei Microdevices' 2006 report on flat panel display (FPD) industry includes: -Exclusive in-depth interviews with 28 top executives in the industry -Over 250 information-packed figures, tables and pictures -Proprietary intelligence not available anywhere else In 2006, competitive conditions in the flat panel display (FPD) industry will change significantly. The era in which competition was primarily based on increasing investment and glass substrate sizes is over. Henceforth, overall capability, including parts/material strategy and equipment strategy, will become the decisive factor. By 2010, parts and material costs will account for 80% of the total cost of large-size LCD panels, which will drive future market expansions; thus, parts and materials will make up most of the value addition in panels. Leading panel makers are starting to reinforce their cooperative relationships with parts and material makers, as well as with equipment makers.

The Basics of Troubleshooting in Plastics Processing is a condensed practical guide that gives the reader a broad introduction to properties of thermoplastics plastics, additives, the major processes (extrusion, injection molding, rotational molding, blow molding, and thermoforming), as well as troubleshooting. The main goal is to provide the plastics processor with an improved understanding of the basics by explaining the science behind the technology. Machine details are minimized as the emphasis is on processing problems and the defects in an effort to focus on basic root causes to problems and how to solve them. The book's framework is troubleshooting in plastics processing because of the importance it has to the eventual production of high quality end products. Each chapter contains both practical and detailed technical information. This basic guide provides state-of-the-art information on: Processing problems and defects during manufacturing Plastics materials, their properties and characterization The plastics processing techniques Plastics additives Troubleshooting of the 5 main plastics processes References for further reading Now in its fourth edition, Illustrated Theatre Production Guide delivers a step-by-step approach to the most prevalent and established theatre production practices, focusing on essential issues related to the construction of wooden, fabric, plastic, and metal scenery used on the stage. Offering techniques and best-practice methods from experienced industry experts, this book allows readers to create a foundation on which to build a successful and resourceful career behind the scenes in theatre production. The new edition has been fully updated to include the latest technology and current practices, with four new chapters on Safety, Automation, Digital Fabrication, and the Production Process, and an emphasis on inclusivity and gender-neutral language. A must-have resource for both the community theatre worker who must be a jack of all trades and the student who needs to learn the

fundamentals on his or her own, Illustrated Theatre Production Guide covers all the necessities of theatre production through detailed lessons and hundreds of drawings. The book also includes access to a companion website featuring instruction videos, tips for an eco-friendly production, and additional images and resources.

A Concise Guide to Industrial Polymers

A Concise and Applied Guide

Mechanics of Time-Dependent Materials and Processes in Conventional and Multifunctional Materials, Volume 3

Proceedings of the Forty-First Annual International Waterborne, High-Solids, and Powder Coatings Symposium

Patents

2006 Yearbook

Why is it important to get to equilibrium and how long does it take? Are there problems running polypropylene profiles on a single screw extruder? Does the job involve compounding color concentrates on a corotating twin screw extruder? This unique reference work is designed to aid operators, engineers, and managers in quickly answering such practical day-to-day questions in extrusion processing. This comprehensive volume is divided into 7 Parts. It contains detailed reference data on such important operating conditions as temperatures, start-up procedures, shear rates, pressure drops, and safety. This reference is a practical guide to extrusion bringing together both the equipment and materials processing aspects. It provides basic and advanced topics about the thermoplastics processing in the extruder, for reference and training. Parts 1 û 3, emphasize the fundamentals, for operators and engineers, of polymeric materials extrusion processing in single and twin screw extruders. Parts 4 û 7 treat advanced topics including troubleshooting, auxiliary equipment, and coextrusion for operators, engineers, and managers. Extensive applications in Part 7 cover such contemporary areas as compounding, blown film, extrusion blow molding, coating, foam, and reprocessing. Each chapter includes review topics.

The second edition of Extrusion is designed to aid operators, engineers, and managers in extrusion processing in quickly answering practical day-to-day questions. The first part of the book provides the fundamental principles, for operators and engineers, of polymeric materials extrusion processing in single and twin screw extruders. The next section covers advanced topics including troubleshooting, auxiliary equipment, and coextrusion for operators, engineers, and managers. The final part provides applications case studies in key areas for engineers such as compounding, blown film, extrusion blow molding, coating, foam, and reprocessing. This practical guide to extrusion brings together both equipment and materials processing aspects. It covers basic and advanced topics, for reference and training, in thermoplastics processing in the extruder. Detailed reference data are provided on such important operating conditions as temperatures, start-up procedures, shear rates, pressure drops, and safety. A practical guide to the selection, design and optimization of extrusion processes and equipment Designed to improve production efficiency and product quality Focuses on practical fault analysis and troubleshooting techniques

Thoroughly revised edition of the classic text on polymer processing The Second Edition brings the classic text on polymer processing thoroughly up to date with the latest fundamental developments in polymer processing, while retaining the critically acclaimed approach of the First Edition. Readers are provided with the complete panorama of polymer processing, starting with fundamental concepts through the latest current industry practices and future directions. All the chapters have been revised and updated, and four new chapters have been added to introduce the latest developments. Readers familiar with the First Edition will discover a host of new material, including: * Blend and alloy microstructuring * Twin screw-based melting and chaotic mixing mechanisms * Reactive processing * Devolatilization--theory, mechanisms, and industrial practice * Compounding--theory and industrial practice * The increasingly important role of computational fluid mechanics * A systematic approach to machine configuration design The Second Edition expands on the unique approach that distinguishes it from comparative texts. Rather than focus on specific processing methods, the authors assert that polymers have a similar experience in any processing machine and that these experiences can be described by a set of elementary processing steps that prepare the polymer for any of the shaping methods. On the other hand, the authors do emphasize the unique features of particular polymer processing methods and machines, including the particular elementary step and shaping mechanisms and geometrical solutions. Replete with problem sets and a solutions manual for instructors, this textbook is recommended for undergraduate and graduate students in chemical engineering and polymer and materials engineering and science. It will also prove invaluable for industry professionals as a fundamental polymer processing analysis and synthesis reference.

Advanced chemistries for improving coatings' properties and performance New technologies for additives, dispersants, pigments and multifunctional coatings Continuing a series, the present volume comprises a selection of 31 original research papers from industry and academia on the chemistry and formulation of technical coatings, beginning with keynote discussions of the meaning of glass transition and POSS. The book offers guidance to performance improvements by chemical modification of additives, dispersants, and cross-linkers, as well as new approaches using nanomaterials, graphene, and polymer brush chemistry. Attention is given to VOC reduction, enhanced hiding capacity, weatherability, dispersion and more.

Production Engineering

A Practical Guide

Electronic Products Magazine

Machine Design

Polypropylene

Handbook of Plastic Processes

Scientific and Commercial Information for More Than 1,000 Polymers Polymers: A Property Database, Second Edition offers a central and reliable source for scientific and commercial information on more than 1,000 polymers. Revised and updated throughout, this edition features 25% new material, including 50 entirely new entries that reflect advances in areas such as conducting polymers, hydrogels, nano-polymers, and biomaterials. The second edition also comes with unlimited access to a complete, fully searchable Web version of the reference. Powerful retrieval software allows users to customize their searches and refine results. Each entry includes trade names, properties, manufacturing processes, commercial applications, supplier details, references, and links to constituent monomers. Buy the latest print edition and gain access to a complete, fully searchable Web version of the

reference, enhanced with powerful retrieval software that allows you to customize searches and refine results. Unlimited access to the Online Version for the lifetime of the Second Edition Revised, Updated, and Expanded with 25% New Material Includes 50 entirely new entries reflecting the latest polymer advances Special Introductory Price! Buy today and SAVE! Purchase the NEW Edition in Print AND Online -For One Price!

After over a century of worldwide production of all kinds of products, the plastics industry is now the fourth largest and others. industry in the United States. This brief, concise, and practical The bulk of the book is the alphabetical listing of entries. This book is a cutting edge compendium of the plastics industry. Preceding those entries is A Plastics Overview: Fig industry's information and terminology—ranging from uses and Tables (which presents eight summary guides on design, materials, and processes, to testing, quality control, the subjects examined in the text) and then the World of regulations, legal matters, and profitability. New and use Plastics Reviews (which presents 14 articles that provide full developments in plastic materials and processing with general introductory information, comprehensive updates, and examples of these developments that are discussed in the book provide guides plastics). Following the alphabetical listing of entries, at the end of the encyclopedia, seven appendices provide back This practical and comprehensive book reviews the ground and source guide information keyed to the text of the book. The extensive and useful Appendix A, List of plastics industry virtually from A to Z through its more than 25,000 entries. Its concise entries cover the basic is Abbreviations, lists all abbreviations used in the text.

This comprehensive book provides guidelines for maximizing plastics processing efficiency in the manufacture of all types of products, using all types of plastics. A practical approach is employed to present fundamental, yet comprehensive, coverage of processing concepts. The information and data presented by the many tables and figures interrelate the different variables that affect injection molding, extrusion, blow molding, thermoforming, compression molding, reinforced plastics molding, rotational molding, reaction injection molding, coining, casting, and other processes. The text presents a great number of problems pertaining to different phases of processing. Solutions are provided that will meet product performance requirements at the lowest cost. Many of the processing variables and their behaviors in the different processes are the same, as they all involve basic conditions of temperature, time, and pressure. The book begins with information applicable to all processes, on topics such as melt softening flow and controls; all processes fit into an overall scheme that requires the interaction and proper control of systems. Individual processes are reviewed to show the effects of changing different variables to meet the goal of zero defects. The content is arranged to provide a natural progression from simple to complex situations, which range from control of a single manual machine to simulation of sophisticated computerized processes that interface with many different processing functions.

Provides a bibliography of more than three thousand handbooks in various aspects of science and technology, from abrasives and band structures to yield strength and zero defects

Polymers for 3D Printing

The Definitive User's Guide and Databook

Processing and Applications

ANTEC 2001

Reactive Polymers: Fundamentals and Applications

Plastic Conversion Processes

This book presents emerging economical and environmentally friendly polymer composites that are free of the side effects observed in traditional composites. It focuses on eco-friendly composite materials using granulated cork, a by-product of the cork industry; cellulose pulp from the recycling of paper residues; hemp fibers; and a range of other environmentally friendly materials procured from various sources. The book presents the manufacturing methods, properties and characterization techniques of these eco-friendly composites. The respective chapters address classical and recent aspects of eco-friendly polymer composites and their chemistry, along with practical applications in the biomedical, pharmaceutical, automotive and other sectors. Topics addressed include the fundamentals, processing, properties, practicality, drawbacks and advantages of eco-friendly polymer composites. Featuring contributions by experts in the field with a variety of backgrounds and specialties, the book will appeal to researchers and students in the fields of materials science and environmental science. Moreover, it fills the gap between research work in the laboratory and practical applications in related industries.

A 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 and to other materials. Advantages and disadvantages of each technique along with detailed discussions of applications are presented. A second section is organized by material and provides details of using different processes with over 50 generic families of plastics and how different techniques and operating parameters affect weld strength and other criteria. This book is an excellent reference and an invaluable resource for novice and expert alike in determining the best joining technique for their application and providing guidance in how to design and prepare for production.

The 21st century offers vast challenges for researchers all around the globe, especially regarding the effective use of sustainable polymers and their materials for different applications. With this focus, sustainable polymers are now rising as one of the most feasible alternatives to traditional synthetic polymers/materials for a variety of industrial uses. This book is an archival reference for researchers and students working in the field of sustainable polymers and their applications in industry. It focuses on the processing and applications of diverse sustainable polymers procured from different biorenewable resources that have been rarely reported so far in a single book.

This extensively updated second edition was created for medical device, medical packaging, and food packaging design engineers, material product technical support, and research/development personnel. This comprehensive databook contains important characteristics and properties data on the effects of sterilization methods on plastics and elastomers. It provides a ready reference for

comparing materials in the same family as well as materials in different families. Data is presented on 43 major plastic and elastomer packaging materials, including biodegradable or organic polymers. New to this edition are resin chapters containing textual summary information including: category; general description; applications; resistances to particular sterilization methods; and regulatory status considerations for use in medical devices and medical/food packaging. The resin chapter material supplier trade name product data is presented in graphical and tabular format, with results normalized to SI units, retaining the familiar format of the best selling first edition and allowing easy comparison between materials and test conditions.

An Introductory Practical Guide

Plastics Processing Data Handbook

Official Gazette of the United States Patent and Trademark Office

Manufacturing Processes Reference Guide

Concise Encyclopedia of Plastics

Advanced Materials & Processes

Mechanics of Time-Dependent Materials and Processes in Conventional and Multifunctional Materials represents one of eight volumes of technical papers presented at the Society for Experimental Mechanics Annual Conference on Experimental and Applied Mechanics, held at Uncasville, Connecticut, June 13-16, 2011. The full set of proceedings also includes volumes on Dynamic Behavior of Materials, Mechanics of Biological Systems and Materials; MEMS and Nanotechnology; Optical Measurements, Modeling and Metrology; Experimental and Applied Mechanics, Thermomechanics and Infra-Red Imaging, and Engineering Applications of Residual Stress.

FROM THE FOREWORD Dr. Gruenwald has indicated the desirable properties of polymeric materials for differing applications; thus, his text is especially useful for polymer chemists who must "tailor" plastic materials for specific groups of applications. Engineers in extruding and calendering film and sheet will benefit from the intimate relationships elucidated between processing parameters imposed upon stocks employed in thermoforming and the products thereof. Mold designers are provided with a complete guide that will enable them to avoid the less obvious pitfalls and wasted effort so often experienced in the evolution of molds for (especially) complex parts. Quite likely, Dr. Gruenwald's suggestions will lead to considerable benefits to those who read and practice by this remarkable exposition of thermoforming technology. Robert K. Jordan Director-Metallizing Institute, Director-Engineering Research Institute, Scientist in Residence, Gannon University

Annotation A wide variety of plastics are used in food-contact applications and it is important that such plastics do not affect the food with which they come into contact. The objective of food packaging legislation is to protect the consumer by controlling the contamination of food by chemicals transferred from the packaging. Food packaging regulations are constantly under revision, and differ significantly between Europe and the USA. This report provides a clearly written summary of the current legislation surrounding the use of plastics in contact with food. It discusses the plastics used in food packaging, their characteristics and applications. This review is accompanied by around 400 abstracts from papers and books in the Rapra Polymer Library database.

Reactive Polymers: Fundamentals and Applications: A Concise Guide to Industrial Polymers, Third Edition introduces engineers and scientists to a range of reactive polymers and then details their applications and performance benefits. Basic principles and industrial processes are described for each class of reactive resin (thermoset), as well as additives, the curing process, applications and uses. The initial chapters are devoted to individual resin types (e.g., epoxides, cyanacrylates), followed by more general chapters on topics such as reactive extrusion and dental applications. Injection molding of reactive polymers, radiation curing, thermosetting elastomers, and reactive extrusion equipment are covered as well. The use of reactive polymers enables manufacturers to make chemical changes at a late stage in the production process, which, in turn, cause changes in performance and properties. Material selection and control of the reaction are essential to achieve optimal performance. Material new to this edition includes the most recent developments, applications and commercial products for each chemical class of thermosets, as well as sections on fabrication methods, reactive biopolymers, recycling of reactive polymers and case studies. Covers the basics and most recent developments, including reactive biopolymers, recycling of reactive polymers, nanocomposites and fluorosilicones Offers an indispensable guide for engineers and advanced students alike Provides extensive literature and patent review Reflects a thorough review of all literature published in this area since 2014 Features revised and updated chapters to reflect the latest research in reactive polymers

Illustrated Theatre Production Guide

A Plastics Processing Guide, Second Edition

Blowing Agents and Foaming Processes 2005

Sustainable Polymer Composites and Nanocomposites

Structure and Properties of Additive Manufactured Polymer Components

Plastics Institute of America Plastics Engineering, Manufacturing & Data Handbook

This extensively revised and updated second edition of the only data handbook available on the properties of commercial polymeric films details the permeability characteristics of over 125 major plastic and elastomer packaging materials. New to this edition are 92 resin chapters containing textual summary information including: category, general description, processing methods, applications, and general permeability considerations for water vapor, oxygen, and other gases including aroma and flavor. The product data is presented in graphical and tabular format, retaining the familiar format of the first edition and allowing easy comparison between materials and test conditions.

Worldwide, extrusion lines successfully process more plastics into products than other processes by consuming at least 36 wt% of all plastics. They continue to find practical solutions for new products and/or problems to meet new product performances. This book, with its practical industry reviews, is a unique handbook (the first of its kind) that covers over a thousand of the potential combinations of basic variables or problems with solutions that can occur from up-stream to down-stream equipment. Guidelines are provided for maximizing processing efficiency and operating at the lowest possible cost. It has been prepared with an awareness that its usefulness will depend greatly upon its simplicity and provision of essential information. It should be useful to: (1) those already extruding and desiring to obtain additional information for their line and/or provide a means of reviewing other lines that can provide their line with operating improvements; (2) those processing or extruding plastics for the first time; (3) those considering going into another extrusion process; (4) those desiring additional information about employing the design of various products more efficiently, with respect to both performance and cost; (5) those contemplating entering the business of extrusion;

(6) those in new venture groups, materials development, and/ or market development; (7) those in disciplines such as nonplastics manufacturers, engineers, designers, quality control, financial, and management; and (8) those requiring a textbook on extrusion in trade schools and high schools or colleges.

This book provides a simplified, practical, and innovative approach to understanding the design and manufacture of plastic products in the World of Plastics. The concise and comprehensive information defines and focuses on past, current, and future technical trends. The handbook reviews over 20,000 different subjects; and contains over 1,000 figures and more than 400 tables. Various plastic materials and their behavior patterns are reviewed. Examples are provided of different plastic products and relating to them critical factors that range from meeting performance requirements in different environments to reducing costs and targeting for zero defects. This book provides the reader with useful pertinent information readily available as summarized in the Table of Contents, List of References and the Index.

A Property Database, Second Edition

The Effect of Sterilization Methods on Plastics and Elastomers, 2nd Edition

Proceedings of the 2011 Annual Conference on Experimental and Applied Mechanics

Principles of Polymer Processing

Waterborne Coatings Symposium 2014

Troubleshooting the Extrusion Process