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DISCOVER

New Plastics Books
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Contact

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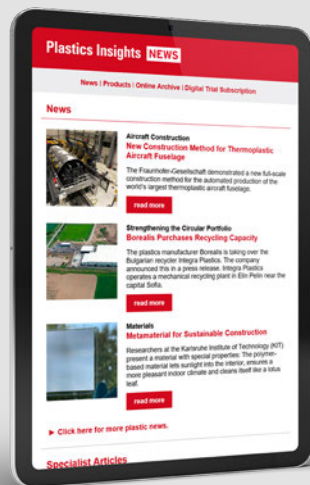
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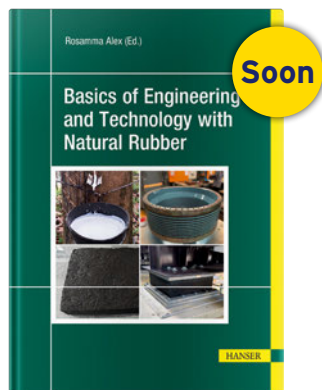
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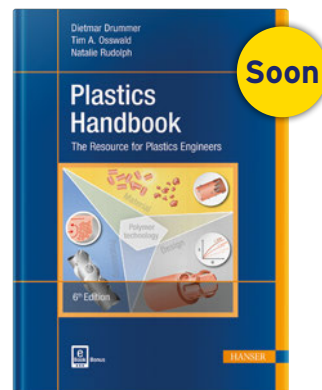




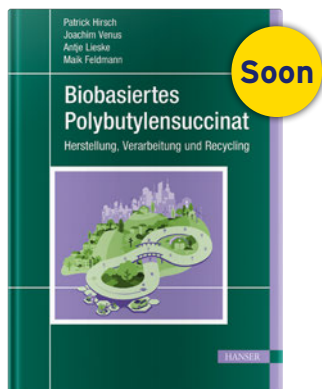
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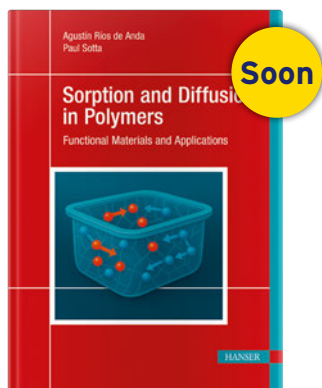
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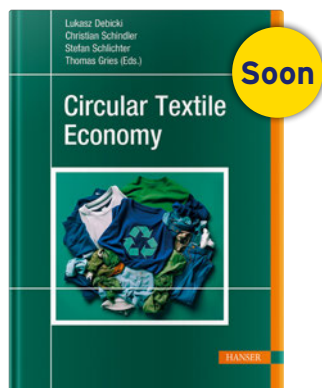
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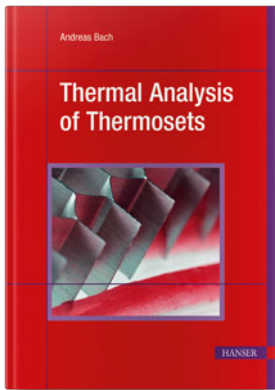
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Bach

Thermal Analysis of Thermosets

€ 159.99 | 2025 | 282 pages | ISBN 978-1-56990-384-1

- Thermal analysis of thermosets with DSC, TGA, TMA & DMA
- Includes advanced methods like Flash DSC and EGA
- Many practical examples for effective application
- Explains curing, structure & properties of thermoset polymers

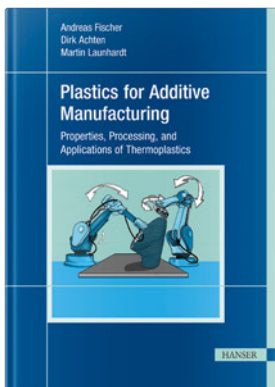


Stommel, Stojek, Korte

FEM zur Berechnung von Kunststoff- und Elastomerbauteilen

€ 199.99 | 3. Auflage | 2025 | 502 Seiten | ISBN 978-3-446-47568-7

- Verständliche Einführung in FEM für Kunststoffe & Elastomere
- Praxisnahe Methoden für Analyse & Festigkeitsnachweis
- Aktualisierte 3. Auflage mit neuen Kapiteln und Ergänzungen
- Unverzichtbares Nachschlagewerk für Ingenieur:innen



Fischer, Achten, Launhardt

Plastics for Additive Manufacturing

Properties, Processing, and Applications of Thermoplastics

€ 149.99 | 2025 | 460 pages | ISBN 978-1-56990-229-5

- Practical guide to selecting thermoplastics for additive manufacturing
- Covers FLM, SLS, and material-specific processing strategies
- Includes mechanical, thermal & chemical property considerations
- With case studies, safety aspects & sustainable material options





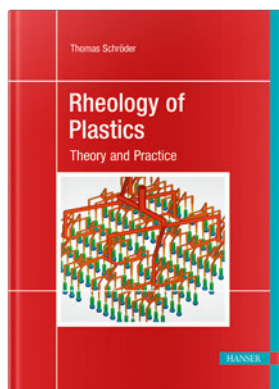
Bonten

Kunststofftechnik

Einführung und Grundlagen

€ 69,99 | 4. Auflage | 2025 | 557 Seiten | ISBN 978-3-446-48415-3

- Kompakter Überblick über die gesamte Kunststofftechnik
- Verständlich erklärt, mit klaren Begriffen und Beispielen
- Aktualisierte 4. Auflage mit Fokus auf Umwelt & Nachhaltigkeit
- Ideal für Studierende, Einsteiger und Praktiker



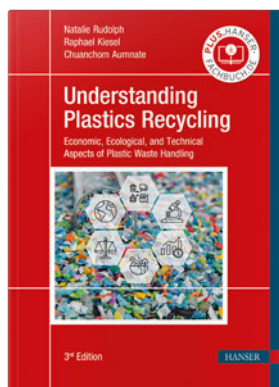
Schröder

Rheology of Plastics

Theory and Practice

€ 139,99 | 2025 | 401 pages | ISBN 978-1-56990-387-2

- Clear introduction to flow and deformation behavior of plastics
- Explains viscosity, visco-elasticity & flow equations for processing
- Covers measurement methods with practical calculation examples
- Richly illustrated with figures and videos for direct application



Rudolph, Kiesel, Aumtate

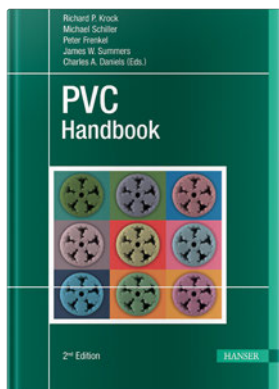
Understanding Plastics Recycling

Economic, Ecological, and Technical Aspects of Plastic Waste Handling

€ 99,99 | 3rd edition | 2025 | 183 pages | ISBN 978-1-56990-865-5

- Guide to economic, ecological and technical aspects of plastics recycling
- U.S. waste management, global markets and recycling strategies
- 3rd edition with new chapters on digitalization, policy and waste analysis
- Practical case studies and spreadsheets for economic evaluation





Krock, Schiller, Frenkel, Summers, Daniels

PVC Handbook

€ 449.99 | 2nd edition | 2025 | 1237 pages | ISBN 978-1-56990-185-4

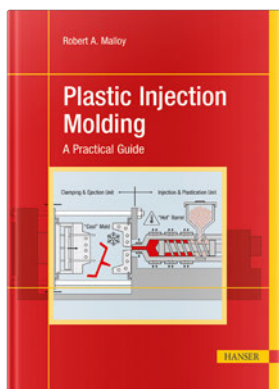
- Complete reference on PVC: from monomer manufacture to applications
- Covers additives, processing, properties, design, safety & industry dynamics
- 2nd edition fully updated with new chapters on recycling, sustainability & decarbonization
- Combines practical formulation guidance with in-depth scientific insights



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Malloy

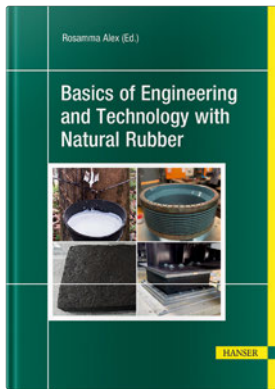
Plastic Injection Molding

A Practical Guide

€ 99.99 | 2025 | 350 pages | ISBN 978-1-56990-879-2

- Practical guide to plastic injection molding based on engineering fundamentals
- Covers materials, machines, tooling, equipment & process setup
- Includes methods for establishing optimum molding conditions
- Ideal for engineers, technicians & students aiming for high-quality parts



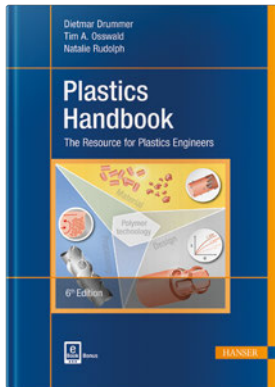


Alex

Basics of Engineering and Technology with Natural Rubber

€ 99.99 | 2025 | 280 pages | ISBN 978-1-56990-455-8

- Comprehensive introduction to natural rubber from extraction to applications
- Covers latex processing, viscoelasticity, filler dispersion & advanced uses
- Includes economic aspects of masterbatch production & practical calculations
- Valuable guide for students, professionals & researchers in rubber technology



Drummer, Osswald, Rudolph

Plastics Handbook

The Resource for Plastics Engineers

€ 159.99 | 6th edition | 2025 | 820 pages | ISBN 978-1-56990-176-2

- All-in-One Reference covers properties, processing and applications
- Hands-On Guide provides clear, practical support for engineers
- Easy Access with free electronic edition included
- Latest fully updated 6th edition



Hirsch, Venus

Biobasiertes Polybutylensuccinat

Herstellung, Verarbeitung und Recycling

€ 199.99 | 2025 | 400 Seiten | ISBN 978-3-446-47373-7

- Nachhaltiger Werkstoff, biobasiert, bioabbaubar und recyclingfähig
- Vielfältige Anwendungen von Verpackung bis Landwirtschaft
- Hohe Zähigkeit und gute Verarbeitung, vergleichbar mit PE und PP
- Überblick von Rohstoffherstellung bis Recycling



Dahlmann, Hopmann, Schön

Recycling von Kunststoffen

€ 99,99 | 2025 | 350 Seiten | ISBN 978-3-446-47129-0

- Überblick zu Technologien und Verfahren des Kunststoffrecyclings
- Nachhaltigkeit und Herausforderungen der Kreislaufwirtschaft
- Werkstoffliches, chemisches und alternative Recyclingwege
- Praxisnah mit Beispielen und Ausblick

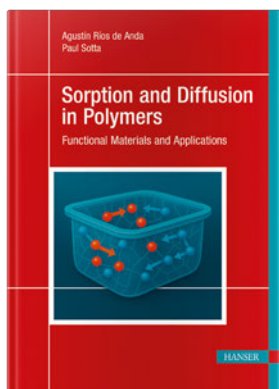


Michler, Lebek, Henning

Ultramikrotomie in den Material- und Biowissenschaften

€ 149,99 | 2. Auflage | 2025 | 300 Seiten | ISBN 978-3-446-48302-6

- Neuauflage mit aktuellen technischen Entwicklungen
- Materialien von Kunststoffen bis Bioproben
- Einzige Methode für viele ultradünne Präparate
- Darstellung durch führende Experten und Hersteller



Sotta, Ríos de Anda

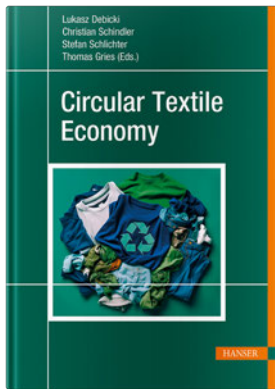
Sorption and Diffusion in Polymers

Functional Materials and Applications

€ 159,99 | 2025 | 300 pages | ISBN 978-1-56990-793-1

- Reference on sorption and diffusion in polymers
- Explains models and introduces a new physical approach
- Includes applications from packaging to high-tech uses
- Contributions from leading experts with latest research



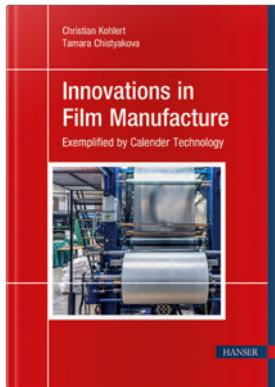


Gries, Debicki, Schindler, Schlichter

Circular Textile Economy

€ 99.99 | 2025 | 150 pages | ISBN 978-1-56990-230-1

- Introduction to textile-to-textile recycling within the circular economy
- Explains process chain, concepts and industry examples
- Highlights strategies for sustainable transformation
- International expert contributions with practical case studies



Kohlert, Chistyakova

Innovations in Film Manufacture

Exemplified by Calender Technology

€ 199.99 | 2025 | 320 pages | ISBN 978-1-56990-440-4

- Innovations and practical experience in film manufacture with calendering
- Methods transferable to extrusion, injection molding and coating
- Focus on defect detection, rheology, measurement, digitalization and recycling
- Expertise from decades of industrial practice and research collaboration



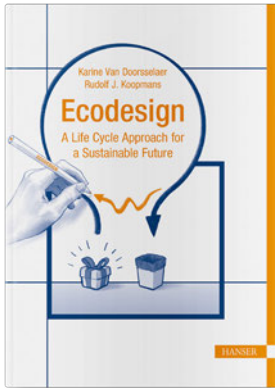
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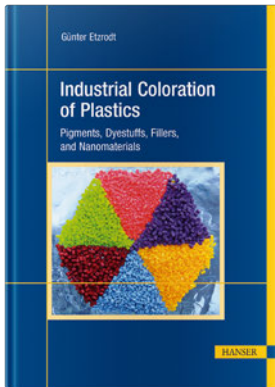
Van Doorselaer, Koopmans

Ecodesign

A Life Cycle Approach for a Sustainable Future

€ 79.99 | 2020 | 269 pages | ISBN 978-1-56990-861-7

- Ecodesign is an increasing requirement for designers and manufacturers
- Provides a unique, robust guide to the topic, including the importance of ecodesign, tools for implementation
- Suitable not just for product designers, but also governmental and commercial organizations, companies, and academic institutions



Eitzrodt

Industrial Coloration of Plastics

Pigments, Dyestuffs, Fillers, and Nanomaterials

€ 179.99 | 2022 | 446 pages | ISBN 978-1-56990-852-5

- Practical guide to successful coloration of plastics in industry
- Addresses chemical, physical, regulatory, and design factors
- Offers processing tips for efficient, high-quality colored products
- For colorists, engineers, designers, technicians, and students



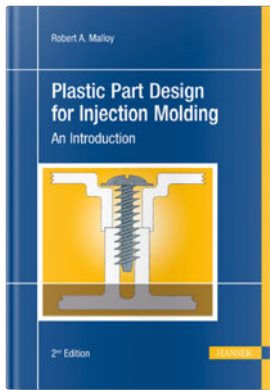
Gebhardt, Kessler, Schwarz

Produktgestaltung für die Additive Fertigung

€ 79.99 | 2019 | 288 Seiten | ISBN 978-3-446-45285-5

- Fachwissen für die Schlüsseltechnologie innerhalb Industrie 4.0
- Grundlagenwissen für die Gestaltung von additiven Bauteilen
- Viele Anwendungsbeispiele mit farbigen Abbildungen





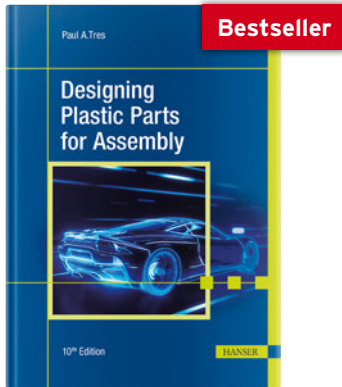
Malloy

Plastic Part Design for Injection Molding

An Introduction

€ 109.99 | 2nd edition | 2010 | 568 pages | ISBN 978-3-446-40468-7

- Includes a comprehensive understanding of the presented integrated design process essential to achieving economic and functional design goals
- Contents: Introduction to Materials, Manufacturing, Considerations for Injection Molded Parts, Design Process and Material Selection
- Structural Design Considerations, Prototyping and Experimental Stress Analysis, Assembly of Injection Molded Plastic Parts

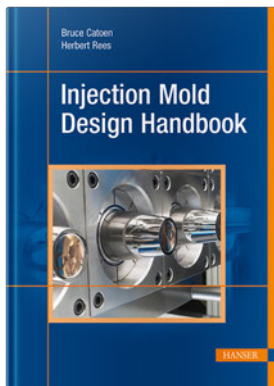


Tres

Designing Plastic Parts for Assembly

€ 159.99 | 10th edition | 2024 | 474 pages | ISBN 978-1-56990-912-6

- Definitive guide to designing plastic parts for cost-effective assembly
- Addresses material selection, manufacturing methods & joint design fundamentals
- Practical, problem-focused approach for both beginners and experienced designers
- 10th edition updated with revised welding chapter incl. hot gas welding & new color figures



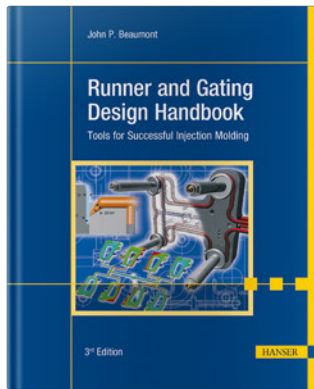
Catoen, Rees

Injection Mold Design Handbook

€ 279.99 | 2021 | 820 pages | ISBN 978-1-56990-815-0

- Mold design features and design practices that will ensure a successful plastic part is molded
- Detailed steps to mold design including checklists and templates
- Guide through all necessary steps to produce a working plastic part





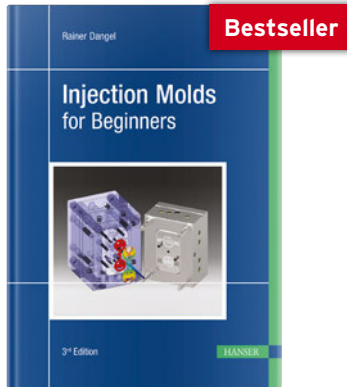
Beaumont

Runner and Gating Design Handbook

Tools for Successful Injection Molding

€ 199.99 | 3rd edition | 2019 | 470 pages | ISBN 978-1-56990-590-6

- The first book to shed light on the critical role the melt delivery system plays in successful injection molding
- New: Injection Molding Simulation, expanded content on hot runners, Injection Molding Process Development
- Unique book to solve many problem and to reach optimum processes

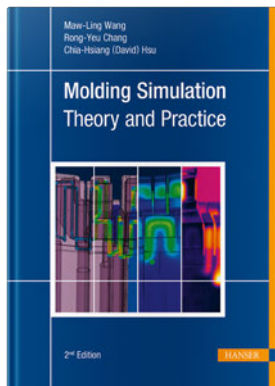


Dangel

Injection Molds for Beginners

€ 99.99 | 3rd edition | 2023 | 336 pages | ISBN 978-1-56990-911-9

- Step-by-step guide to designing and building injection molds
- Explains mold types, components, design procedures, and solutions
- Includes practical examples, drawings, tips, maintenance, and repair
- Expanded 3rd edition with molding simulation, new figures, and updates



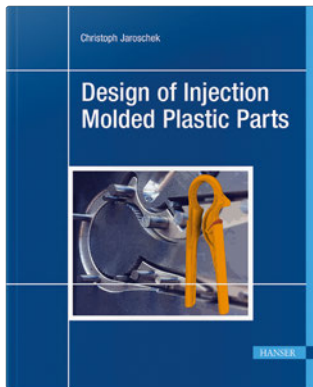
Wang, Chang, Hsu

Molding Simulation: Theory and Practice

€ 179.99 | 2nd edition | 2022 | 624 pages | ISBN 978-1-56990-884-6

- A practical introductory guide to injection molding simulation
- Aimed at both engineers and students
- Will help the reader to innovate and improve part design and molding processes, essential for efficient manufacturing
- User-friendly, case-study-based approach



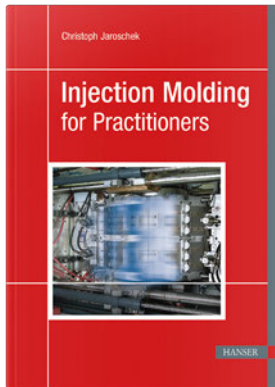


Jaroschek

Design of Injection Molded Plastic Parts

€ 79.99 | 2022 | 240 pages | ISBN 978-1-56990-893-8

- A highly practical book aimed primarily at plastic part designers
- Bridges the gap between injection molders/mold makers and part designers
- From theory to practical applications
- With marginal notes for improved orientation and readability

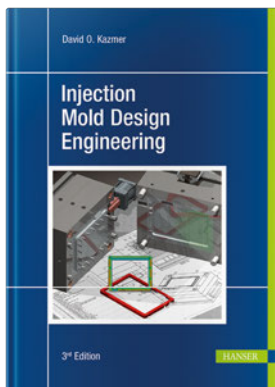


Jaroschek

Injection Molding for Practitioners

€ 89.99 | 2024 | 264 pages | ISBN 978-1-56990-178-6

- Practical, easy-to-understand guide to injection molding
- Written especially for machine operators
- Explains common special processes and underlying principles
- Alphabetical format of key terms for quick reference

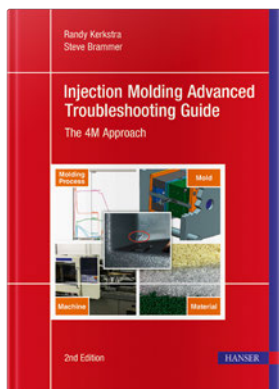


Kazmer

Injection Mold Design Engineering

€ 129.99 | 3rd edition | 2022 | 640 pages | ISBN 978-1-56990-891-4

- Structured, scientific methodology for engineering injection molds
- Presents concepts top-down, with pragmatic analysis and examples
- Helps students and practitioners design innovative, functional molds
- 3rd edition adds coverage of additive manufacturing, cost models, recycled resins, standards, and new technologies



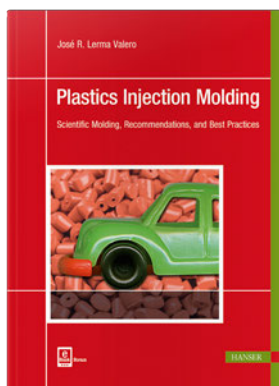
Kerkstra, Brammer

Injection Molding Advanced Troubleshooting Guide

The 4M Approach

€ 169.99 | 2nd edition | 2021 | 523 pages | ISBN 978-1-56990-834-1

- A highly practical troubleshooting guide to solve problems at the machine systematically and quickly
- Hands-on experience from the authors, who have built a strong reputation in the field
- The book is structured by type of problem/solution



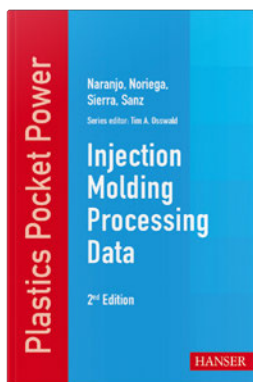
Lerma Valero

Plastics Injection Molding

Scientific Molding, Recommendations, and Best Practices

€ 119.99 | 2020 | 424 pages | ISBN 978-1-56990-689-7

- User-friendly reference book and training tool on plastics injection molding
- Practical guide to increasing robustness, consistency, productivity, and profitability, and reducing costs
- Covers process definitions and parameters, optimization processes, material selection and comparison



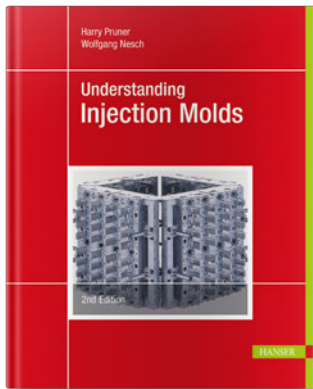
Naranjo, Noriega, Sierra, Sanz

Injection Molding Processing Data

€ 19.99 | 2nd edition | 2018 | 128 pages | ISBN 978-1-56990-666-8

- Provides the most important processing data, such as viscosity, thermal properties, mold temperatures, and suggested heater temperatures
- Second edition of the bestselling pocket-sized guide for the injection molder
- Revised and improved throughout
- Compact and convenient format, yet comprehensive



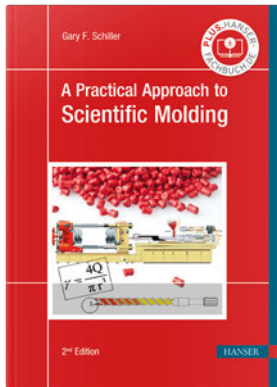


Pruner, Nesch

Understanding Injection Molds

€ 89.99 | 2nd edition | 2020 | 150 pages | ISBN 978-1-56990-843-3

- Provides complete knowledge of injection molds for designers and manufacturers
- Description of all components of an injection mold in compact form
- Provides a concise description of all relevant combination options and their influence on trouble-free production

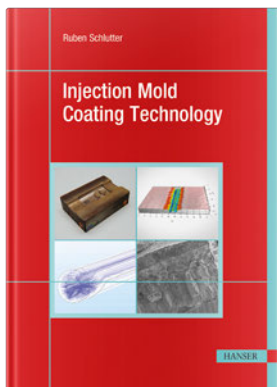


Schiller

A Practical Approach to Scientific Molding

€ 69.99 | 2nd edition | 2024 | 205 pages | ISBN 978-1-56990-203-5

- Practical, easy-to-follow guide for implementing scientific molding on the shop floor
- Explains machine components, plastic flow, correct procedures, and key calculations
- Includes step-by-step process guidance, troubleshooting, and setup tips
- 2nd edition adds a chapter on process changes, improvements, and a bonus Excel tool



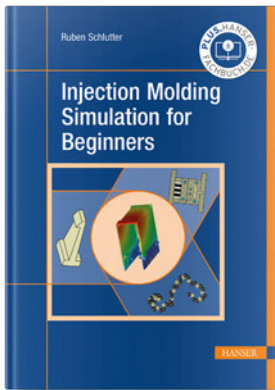
Schlutter

Injection Mold Coating Technology

€ 179.99 | 2024 | 371 pages | ISBN 978-1-56990-266-0

- Unique coverage of an important aspect of injection mold design
- Effective coating technologies increase the service life of the injection mold, support the functionality of the plastic components, and improve the molding process
- Current status of the various coating technologies and their applicability
Practical use of corresponding coatings is explained with examples



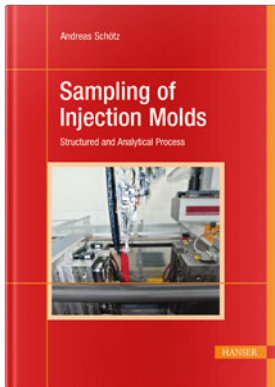


Schlutter

Injection Molding Simulation for Beginners

€ 119.99 | 2023 | 266 pages | ISBN 978-1-56990-926-3

- Clear introduction to injection molding simulation without heavy math
- Focus on model setup, limitations, and result interpretation
- Software-independent, designed as a teaching resource
- Includes step-by-step examples with Moldflow, CADMOULD, and Moldex3D



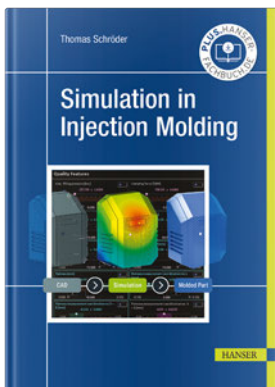
Schötz

Sampling of Injection Molds

Structured and Analytical Process

€ 159.99 | 2024 | 312 pages | ISBN 978-1-56990-196-0

- First book dedicated to the structured process of injection mold sampling
- Covers full workflow from initial order to series production, with practical tips and illustrations
- Focus on machine setup, process optimization, documentation, and Run@Rate analysis
- Designed for practitioners and as a textbook for training



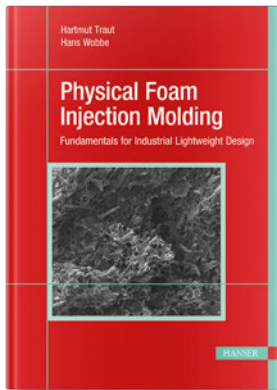
Schröder

Simulation in Injection Molding

€ 199.99 | 2024 | 704 pages | ISBN 978-1-56990-916-4

- Introduces simulation tools for designing and optimizing plastic parts and molds
- Covers key phases: filling, holding pressure, cooling, shrinkage, and warpage prediction
- Helps readers interpret complex results to detect and prevent molding errors early
- Aims to build expertise for designers, mold makers, and students





Traut, Wobbe

Physical Foam Injection Molding

Fundamentals for Industrial Lightweight Design

€ 119,99 | 2024 | 232 pages | ISBN 978-1-56990-941-6

- Explains fundamentals and process variants of physical foam injection molding with proven industrial examples
- Details machine and mold technology, suitable polymers, and design guidelines for foamed components
- Provides practical insights, application examples, and limitations to support economic implementation



Jaroschek

Spritzgussteile konstruieren

für Praktiker

€ 49,99 | 2. Auflage | 2022 | 256 Seiten | ISBN 978-3-446-47023-1

- Das Buch schlägt die Brücke zwischen Verarbeiter und Formenbauer, hin zum Bauteilkonstrukteur
- Von der Theorie zu praktischen Anwendungen
- NEU: Grundwissen für Konstrukteure - Tandemwerkzeuge



Jaroschek

Spritzgießen für Praktiker

€ 59,99 | 5. Auflage | 2024 | 263 Seiten | ISBN 978-3-446-47960-9

- Praxisnahe Anleitung für Maschineneinrichter:innen zur Prozessoptimierung
- Grundlagen zu Spritzgießprozess, Maschineneinstellungen und Sonderverfahren
- Qualitätssicherung mit Dokumentation, Optimierungstools und KI-Methoden
- Mit Fokus auf Rezyklate, Materialänderungen und Energieeinsparung





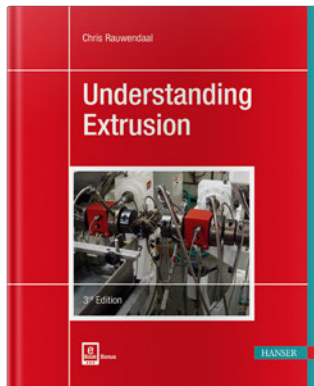
Schötz

Abmusterung von Spritzgießwerkzeugen

Strukturierte und analytische Vorgehensweise

€ 149,99 | 4. Auflage | 2023 | 328 Seiten | ISBN 978-3-446-47564-9

- Einziges Fachbuch zur systematischen Abmusterung von Spritzgießwerkzeugen
- Vermittelt kompletten Ablauf von Auftrag bis Serienproduktion mit Praxisbeispielen und Tipps
- Schwerpunkte: strukturierter Prozess, Energieeffizienz, Dokumentation, Maschineneinstellung, Prozessoptimierung und Run@Rate Process

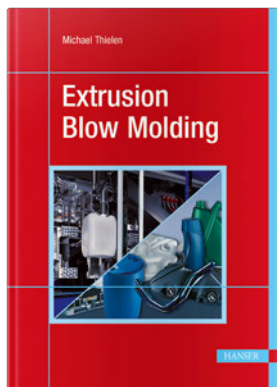


Rauwendael

Understanding Extrusion

€ 109.99 | 3rd edition | 2018 | 264 pages | ISBN 978-1-56990-698-9

- Conveys the basics of extrusion to beginners, including those without an engineering degree
- Designed for on-the-job use, it guides the reader step-by-step through materials issues, machinery, processing, and troubleshooting
- New content: Interpretation of extrusion process data, analysis of shrink void formation, dimensional variation by melt temperature fluctuations



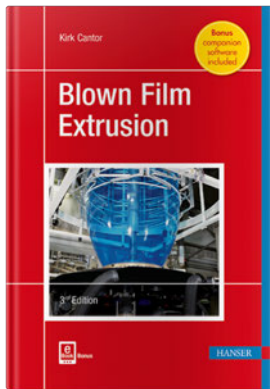
Thielen

Extrusion Blow Molding

€ 109.99 | 2021 | 204 pages | ISBN 978-1-56990-840-2

- Practically oriented depiction of extrusion blow molding for daily work and study
- Basic knowledge to making daily work easier
- With troubleshooting guide



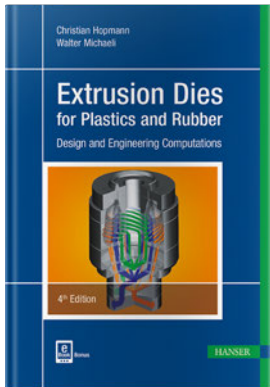


Cantor

Blown Film Extrusion

€ 109.99 | 3rd edition | 2018 | 194 pages | ISBN 978-1-56990-696-5

- Provides a practice-oriented overview of the technology and machines for blown film extrusion
- Revised and extended third edition includes new chapter on polymer rheology
- Ideal introduction to the process technology
- Includes companion computer-based learning tool, The Blown Film Extrusion Simulator, provided to enhance the reader's understanding



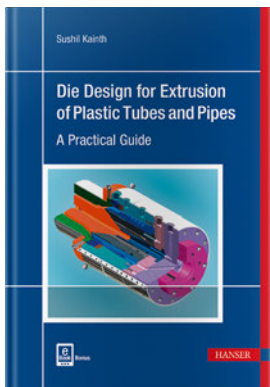
Hopmann, Michaeli

Extrusion Dies for Plastics and Rubber

Design and Engineering Computations

€ 199.99 | 4th edition | 2016 | 470 pages | ISBN 978-1-56990-623-1

- The comprehensive guide to the full range of dies for the extrusion of plastics and rubber
- Expert advice on design, configuration, and maintenance of dies
- Updates based on feedback from academia and industry



Kainth

Die Design for Extrusion of Plastic Tubes and Pipes

A Practical Guide

€ 109.99 | 2017 | 364 pages | ISBN 978-1-56990-672-9

- Step by step guide to die design for tubes and pipes
- Worked examples to illustrate problem solving
- Detailed drawings of complete dies for various applications



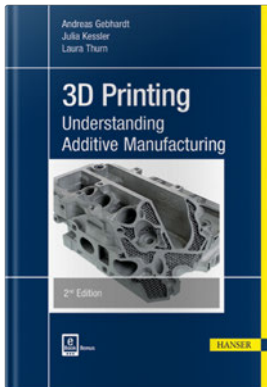


Anderhofstadt, Disselkamp

Disruptive 3D Printing

€ 99.99 | 2023 | 285 pages | ISBN978-1-56990-918-8

- Explores both technical aspects and disruptive business impacts of 3D printing
- Shows how additive manufacturing transforms supply chains and production models
- Highlights risks for traditional industries and opportunities for new business models
- Provides strategies and frameworks to identify competitive advantages in disruption



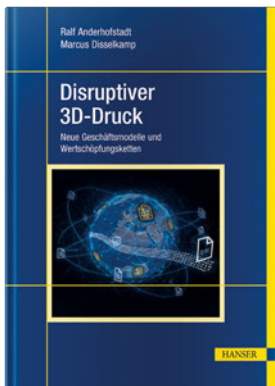
Gebhardt, Kessler, Thurn

3D Printing

Understanding Additive Manufacturing

€ 89.99 | 2nd edition | 2018 | 220 pages | ISBN 978-1-56990-702-3

- Clear and concise guide to Additive Manufacturing (AM), a well-established valuable tool for making models and prototypes
- Perspectives and Strategies of Additive Manufacturing
- Glossary of Terms, Abbreviations, and Definitions



Anderhofstadt, Disselkamp

Disruptiver 3D-Druck

Neue Geschäftsmodelle und Wertschöpfungsketten

€ 49,99 | 2022 | 295 Seiten | ISBN 978-3-446-47020-0

Vereinigt die beiden Seiten der additiven Fertigung:

- 1) den technischen Aspekt des 3D-Drucks von unterschiedlichen Materialien
- 2) die disruptiven Konsequenzen für die Wertschöpfungsketten zwischen Produzenten, Intermediären und Kunden
- Konkrete Handlungsempfehlungen für die Praxis



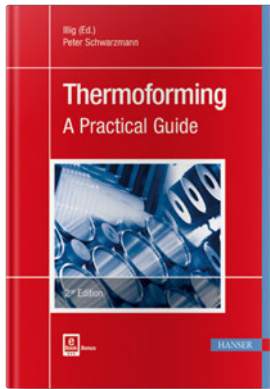


Brüder

User's Guide to Plastic

€ 49.99 | 2nd edition | 2019 | 376 pages | ISBN 978-1-56990-734-4

- Comprehensive introductory guide to plastics
- User friendly
- With clear, simple explanations, attractive for beginners
- Over 600 full-color illustrations
- Free associated app with extra content and videos



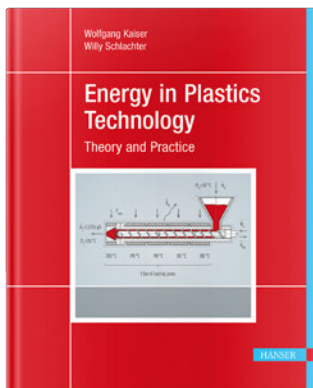
Schwarzmann

Thermoforming

A Practical Guide

€ 199.99 | 2nd edition | 2018 | 520 pages | ISBN 978-1-56990-708-5

- Explains all process steps of thermoforming with the help of practical examples
- Based on the knowledge and experience of the leading manufacturer of thermoforming equipment
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Kaiser, Schlachter

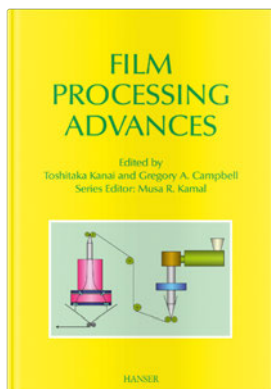
Energy in Plastics Technology

Theory and Practice

€ 199.99 | 2023 | 525 pages | ISBN 978-1-56990-898-3

- Provides thermodynamic and energy fundamentals for plastics processing
- Focus on energy balances, heat transfer, and fluid mechanics
- Combines theory with practical calculation examples for key processes
- Valuable guide for engineers, students, technicians, and technologists in plastics



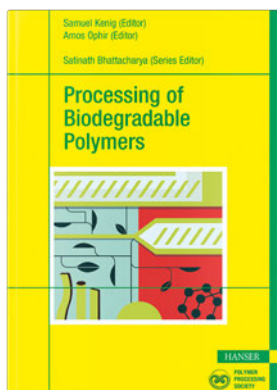


Kanai, Campbell

Film Processing Advances

€ 199.99 | 2014 | 400 pages | ISBN 978-1-56990-529-6

- Selection of key modern film processing methods
- Complements and updates
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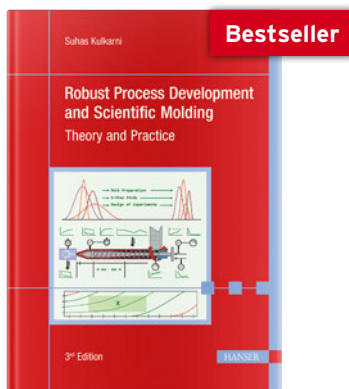


Kenig, Ophir

Processing of Biodegradable Polymers

€ 199.99 | 2024 | 311 pages | ISBN 978-1-56990-873-0

- Comprehensive guide to biodegradable polymers from renewable sources
- Explains classifications, properties, rheology & processing challenges
- Covers extrusion, injection molding, thermoforming, blow molding & 3D printing
- Discusses additives, blends & recycling to optimize performance while maintaining biodegradability



Kulkarni

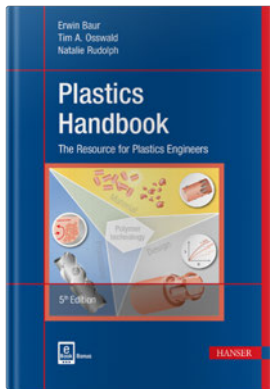
Robust Process Development and Scientific Molding

Theory and Practice

€ 149.99 | 3rd edition | 2024 | 442 pages | ISBN 978-1-56990-908-9

- Introduces Scientific Molding & Processing for robust, repeatable, reproducible injection molding
- Outlines polymer science fundamentals and their impact on molding processes
- Addresses DOEs, process windows, mold qualification & troubleshooting
- 3rd edition with new melt preparation chapter and updated practical guidance





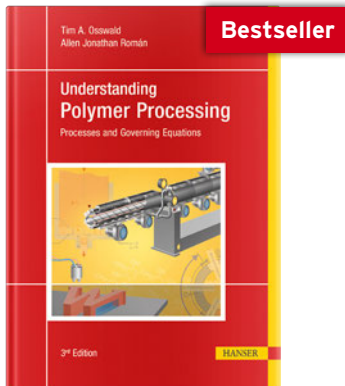
Baur, Osswald, Rudolph

Plastics Handbook

The Resource for Plastics Engineers

€ 139.99 | 5th edition | 2019 | 704 pages | ISBN 978-1-56990-559-3

- The definitive general reference guide to plastics
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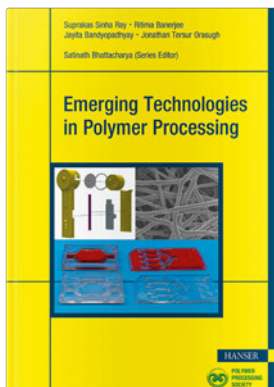
Osswald, Román

Understanding Polymer Processing

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Ray, Banerjee, Bandyopadhyay, Orasugh

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- Broad insight into advanced polymer processing, from modeling to sustainable materials
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- Examines future-oriented technologies including AI-enabled processing & microfluidics





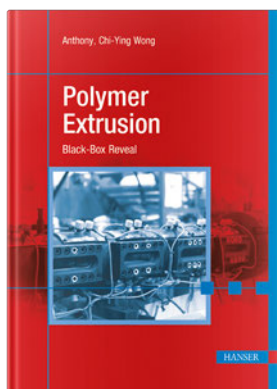
Selke, Culter, Auras, Rabnawaz

Plastics Packaging

Properties, Processing, Applications, and Regulations

€ 169.99 | 4th edition | 2021 | 494 pages | ISBN 978-1-56990-822-8

- Bestselling textbook on plastics packaging
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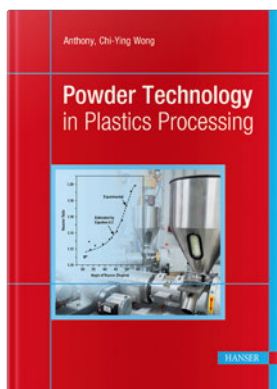
Wong

Polymer Extrusion

Black-Box Reveal

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- Reveals the real dynamics of extrusion through groundbreaking visualization research
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Wong

Powder Technology in Plastics Processing

€ 89.99 | 2021 | 165 pages | ISBN 978-1-56990-869-3

- Unique book on powder technology in plastics processing
- Practical and informative, enabling root causes of processing problems to be identified
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Hopmann, Schmitz

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Potentials and Applications in Plastics Technology

€ 109,99 | 2020 | 320 pages | ISBN 978-1-56990-796-2

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- With current and past research results in this highly dynamic area



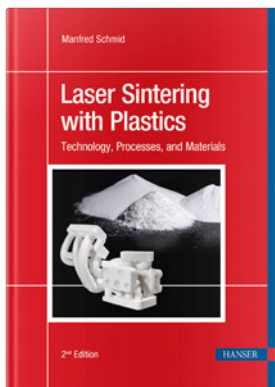
Bruder

Kunststofftechnik leicht gemacht

Werkstoffe - Verarbeitung - Werkzeuggestaltung - Kostenkalkulation - Nachbearbeitung - Fügeverfahren - Materialauswahl - Konstruktionsregeln - Prozessoptimierung - Fehlerbehebung

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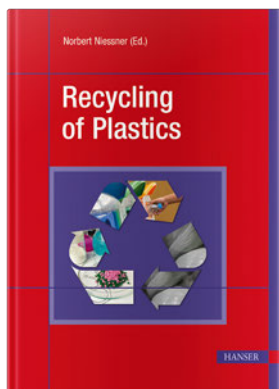
Laser Sintering with Plastics

Technology, Processes, and Materials

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- Comprehensive introduction to polymer powder bed fusion (PBF-P) and laser sintering
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- Collection, sorting, purification plus economic and regulatory perspectives
- Focus on standardized data, lifecycle assessments, and future directions



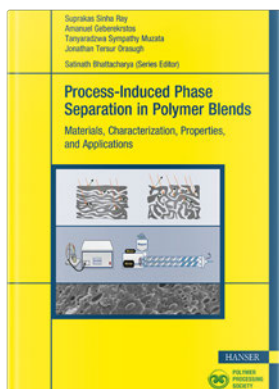
Rabnawaz

Sustainable Packaging Materials

Winning Solutions

€ 89.99 | 2023 | 104 pages | ISBN 978-1-56990-162-5

- Concise guide to principles and practices of sustainable packaging
- Discusses recycling, degradable materials, and alternatives like paper, glass, and metal
- Examines new regulations (e.g. EPR laws), material bans, and microplastic concerns
- Provides practical guidance and future trends



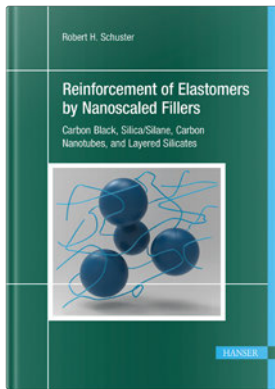
Ray, Geberekrstos, Muzata, Orasugh

Process-Induced Phase Separation in Polymer Blends

€ 179.99 | 2023 | 211 pages | ISBN 978-1-56990-901-0

- Introduction to the thermodynamics of polymer blends and relevant processing methods
- Discussion of design and fabrication approaches for multiphasic polymeric materials
- Overview of recent research, characterization techniques, and major challenges





Schuster

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- Rubber-filler interaction as central factor in reinforcement
- Influence of dispersion, distribution and rheology on material properties
- Functionalization, hybrid systems and applications in tires and technical goods



Rudolph, Kiesel, Aumtate

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Kohlgrüber, Bierdel, Rust

Polymer-Aufbereitung und Kunststoff-Compoundierung

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- Beschreibt ausführlich die Verfahren zur Aufbereitung von Kunststoffen
- Darstellung aller dafür notwendigen Apparate und Maschinen
- Konkurrenzlos: das Buch bietet einmalige Einblicke in patentgeschützte Verfahren





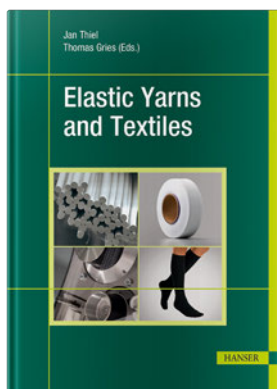
Bonten

Plastics Technology

Introduction and Fundamentals

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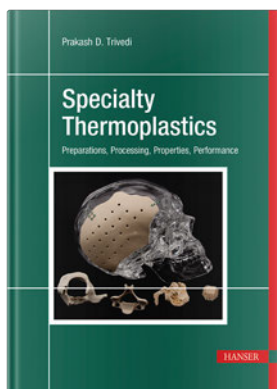


Thiel, Gries

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Trivedi

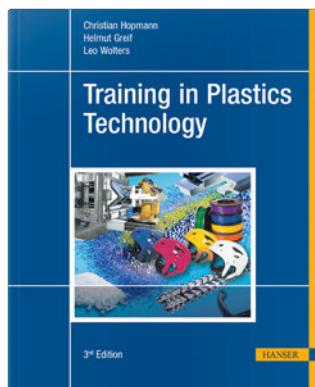
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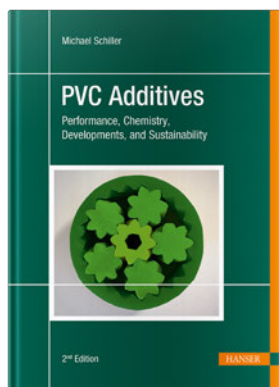


Hopmann, Greif, Wolters

Training in Plastics Technology

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- Comprehensive introduction to plastics technology from basics to recycling
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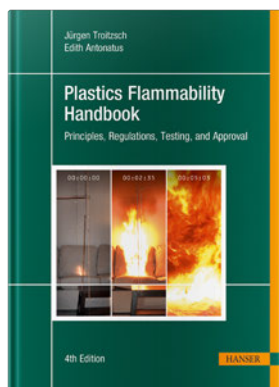
Schiller

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Troitzsch, Antonatus

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Schiller, Maier

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Baur, Drummer, Osswald, Rudolph

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Kaiser

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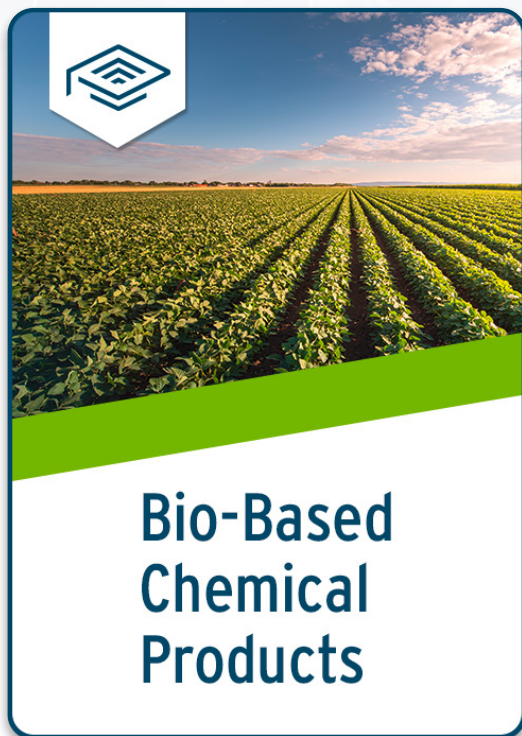
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- Mit geschichtlichen Hintergründen und tabellarischem Eigenschaftsvergleich
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This course gives a solid introduction to bio-based monomers, polymers, and related materials, such as plastics additives and fillers.

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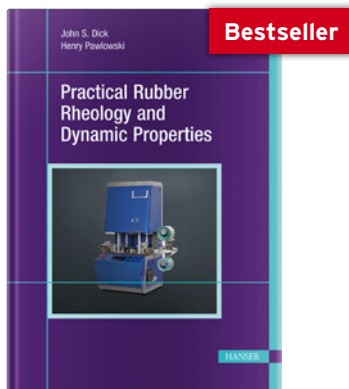
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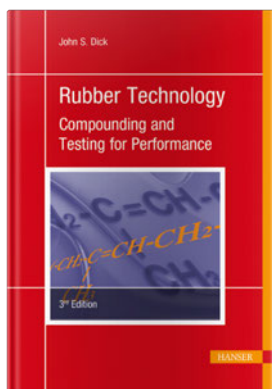


Dick, Pawlowski

Practical Rubber Rheology and Dynamic Properties

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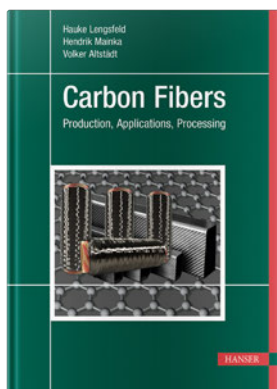
Dick

Rubber Technology

Compounding and Testing for Performance

€ 269.99 | 3rd edition | 2020 | 808 pages | ISBN 978-1-56990-615-6

- Practical guide to cost-effective formulating of rubber compounds to achieve optimal processing and performance
- Thorough discussion of the principles of rubber compounding and rubber testing
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Lengsfeld, Mainka, Altstädt

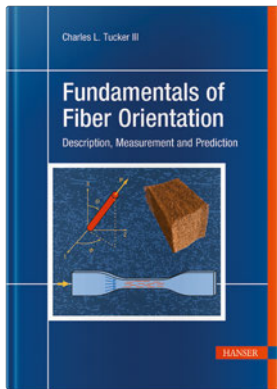
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Tucker

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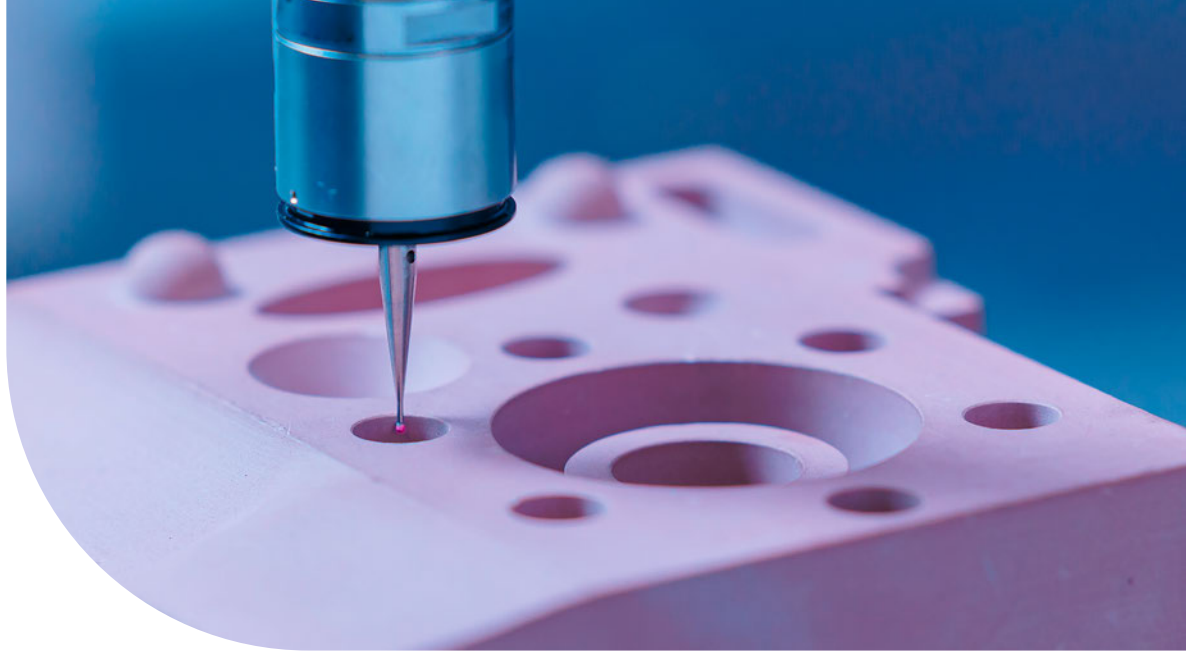
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