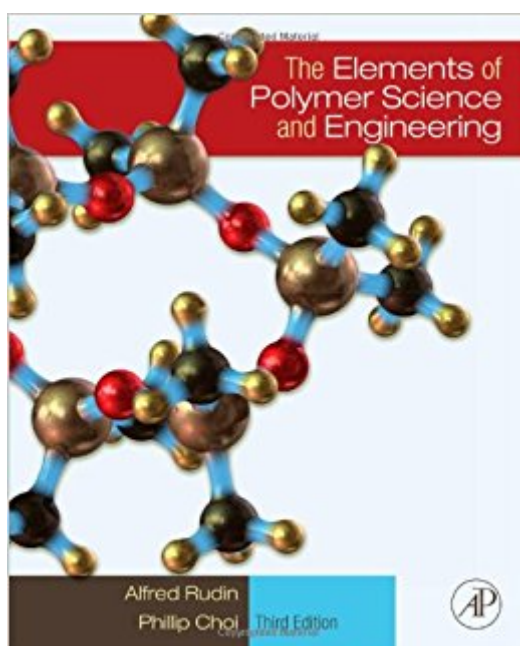


The book was found

The Elements Of Polymer Science And Engineering, Third Edition (Elements Of Polymer Science & Engineering)



Synopsis

The Elements of Polymer Science and Engineering, Third Edition, is a textbook for one- or two-semester introductory courses in polymer science and engineering taught primarily to senior undergraduate and first-year graduate students in a variety of disciplines, but primarily chemical engineering and materials science. Since the publication of the second edition in 1999, the field of polymers has advanced considerably. A key feature of this new edition is the inclusion of new concepts such as polymer nanocomposites and metallocene catalysts in existing chapters as well as new chapters covering selected contemporary topics such as behavior of natural polymers, polymer dynamics, and diffusion in polymers. This book has been completely reorganized to become more aligned with how instructors currently teach the course. There are now several enhancements to the book's pedagogy, including the addition of numerous worked examples and new figures to better illustrate key concepts and the addition of a large number of end-of-chapter exercises, many of which are based on recently published research and relevant industrial data. This third edition will appeal to advanced undergraduate and graduate students in the physics, chemistry, and chemical engineering departments who are taking courses related to polymer science and engineering, as well as engineers new to the field of polymers. Focuses on applications of polymer chemistry, engineering, and technology Explains terminology, applications, and versatility of synthetic polymers Connects polymerization chemistry with engineering applications Contains practical lead-ins to emulsion polymerization, viscoelasticity, and polymer rheology

Book Information

Series: Elements of Polymer Science & Engineering

Hardcover: 584 pages

Publisher: Academic Press; 3 edition (December 28, 2012)

Language: English

ISBN-10: 0123821789

ISBN-13: 978-0123821782

Product Dimensions: 7.7 x 1.3 x 9.3 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #615,452 in Books (See Top 100 in Books) #8 in Books > Science & Math > Chemistry > Polymers & Macromolecules #36 in Books > Engineering & Transportation >

Engineering > Chemical > Plastics #142 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Polymers & Textiles](#)

Customer Reviews

"The textbook has been a solid teaching text for introductory polymer science and engineering courses....It remains a very good textbook for many introductory concepts and is thought out and developed well for teaching purposes." --Eli Pearce, Polytechnic University, Brooklyn, NY, Polymer News, 1999

Whether you are an upper or graduate level student studying polymer science and engineering or an engineer new to the field of polymers, you'll benefit from reading *The Elements of Polymer Science and Engineering 3e*. Since the publication of the second edition in 1999, the field of polymers has advanced considerably. A key feature of the third edition is the inclusion of new concepts such as polymer nanocomposites and metallocene catalysts in existing chapters as well as new chapters covering selected contemporary topics such as behavior of natural polymers, polymer dynamics, and diffusion in polymers. The book has been completely reorganized to become more aligned with how instructors currently teach the course. In addition there are several enhancements to the book's pedagogy that make it more appealing to both instructors and students, including the addition of new worked examples and new figures to better illustrate key concepts, and new end-of-chapter exercises, many of them based on recently published research and relevant industrial data.

[Download to continue reading...](#)

The Elements of Polymer Science and Engineering, Third Edition (*Elements of Polymer Science & Engineering*) *Elements of Polymer Science & Engineering, Second Edition: An Introductory Text and Reference for Engineers and Chemists* (*The Elements of Polymer Science and Engineering*) *The Elements of Polymer Science and Engineering* (*Elements of Polymer Science & Engineering*) *Polymer Clay: The Ultimate Beginners Guide to Creating Animals in 30 Minutes or Less!* (*Polymer Clay - Polymer Clay for Beginners - Clay - Polymer Clay Animals - Polymer Clay Jewelry - Sculpture*) *Third Eye: Third Eye Activation Mastery, Easy And Simple Guide To Activating Your Third Eye Within 24 Hours* (*Third Eye Awakening, Pineal Gland Activation, Opening the Third Eye*) *Cute Polymer Clay Popsicles & Ice Cream: Polymer Clay Kawaii Food Charms* (*Polymer Clay Kawaii Charms Book 1*) *Methods of X-ray and Neutron Scattering in Polymer Science* (*Topics in Polymer Science*) *Functional Polymer Coatings: Principles, Methods, and Applications* (*Wiley Series on*

Polymer Engineering and Technology) Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Polymer Synthesis, Second Edition: Volume 1 (Polymer Syntheses) Polymer clay: All the basic and advanced techniques you need to create with polymer clay Polymer clay: All the basic and advanced techniques you need to create with polymer clay. (Volume 1) SCULPTING THE EASY WAY IN POLYMER CLAY FOR BEGINNERS 2: How to sculpt a fairy head in Polymer clay (Sculpting the easy way for beginners) Polymer animal clay : Learning how to create life like animals out of polymer clay The Encyclopedia of Polymer Clay Techniques: A Comprehensive Directory of Polymer Clay Techniques Covering a Panoramic Range of Exciting Applications Fundamentals of Polymer Engineering, Revised and Expanded (Plastics Engineering) Polyurethanes: Science, Technology, Markets, and Trends (Wiley Series on Polymer Engineering and Technology) Elements of Chemical Reaction Engineering (5th Edition) (Prentice Hall International Series in the Physical and Chemical Engineering Sciences) Concise Encyclopedia of Polymer Science and Engineering Essentials of Polymer Science and Engineering

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)