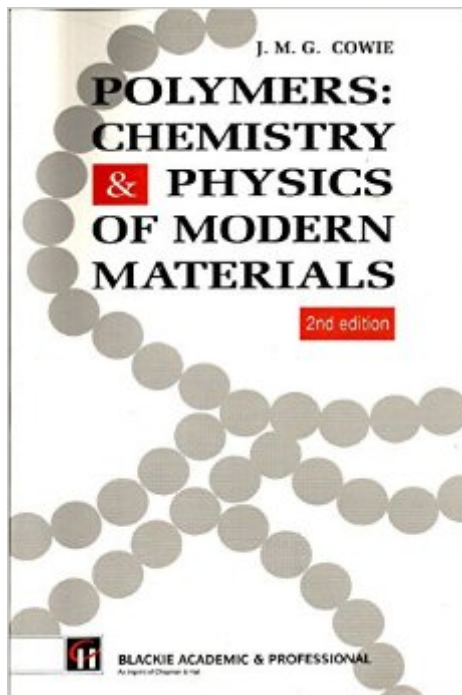


The book was found

Polymers: Chemistry And Physics Of Modern Materials



Synopsis

All chapters in this new edition have been carefully revised and updated to take account of recent developments in polymer science. The development of the text follows this broad sequence: preparation, characterization, physical and mechanical properties and structure-property relations. In particular there are new sections on ring opening metathesis polymerizations and group transfer polymerization techniques - both of which are relatively new and important methods. The section on gel permeation chromatography has been expanded, and dielectric spectroscopy has been included, because of its increased use. High-performance plastics have been included in line with their growing importance, and two new chapters cover liquid crystals and speciality polymers. This book should be of interest to undergraduate students of chemistry, polymer science, materials technology and engineering.

Book Information

Paperback: 448 pages

Publisher: Blackie Academic & Professional; 2nd edition (June 1991)

Language: English

ISBN-10: 075140134X

ISBN-13: 978-0751401349

Product Dimensions: 1.2 x 6.2 x 9.5 inches

Shipping Weight: 1.8 pounds

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #3,394,512 in Books (See Top 100 in Books) #72 in [Books > Science & Math > Chemistry > Polymers & Macromolecules](#) #1441 in [Books > Science & Math > Reference](#) #2343 in [Books > Science & Math > Chemistry > Organic](#)

Customer Reviews

Good introduction. Covers chemistry of polymerization (step growth, free radical, ionic). Amorphous, semi-crystalline and elastomeric polymers. Covers mechanical properties in terms of viscoelastic behaviour. This book could be very useful to non-chemists requiring a brief readable introduction to, or overview of, polymer chemistry. Does not assume high level of prior knowledge in chemistry or calculus. Does also not provide much specific physical or mechanical data of commercial polymers.

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

Polymers: Chemistry and Physics of Modern Materials, Third Edition Polymers: Chemistry and

Physics of Modern Materials Physical Properties of Polymers Handbook (AIP Series in Polymers & Complex Materials) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) Statistical Physics of Macromolecules (Polymers and Complex Materials) Polymers: Physical Properties, (Methods in Experimental Physics Volume 16 Part C) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Ace Organic Chemistry I: The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Ace General Chemistry I: The EASY Guide to Ace General Chemistry I: (General Chemistry Study Guide, General Chemistry Review) Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers Materials Science of Polymers for Engineers Sears and Zemansky's University Physics with Modern Physics, 13th Edition Rare-Earth Iron Permanent Magnets (Monographs on the Physics and Chemistry of Materials) Introduction to Scanning Tunneling Microscopy (Monographs on the Physics and Chemistry of Materials) Physics for Scientists & Engineers with Modern Physics (4th Edition) Problems and Solutions in Quantum Chemistry and Physics (Dover Books on Chemistry) Neither Physics nor Chemistry: A History of Quantum Chemistry (Transformations: Studies in the History of Science and Technology) Transuranium Elements: Products of Modern Alchemy (Benchmark papers in physical chemistry and chemical physics ; v. 1) Sol-Gel Materials: Chemistry and Applications (Advanced Chemistry Texts) The Physics and Philosophy of the Bible: How Relativity, Quantum Physics, Plato, and History Meld with Biblical Theology to Show That God Exists and That ... Live Forever (The Inevitable Truth Book 1)

[Dmca](#)