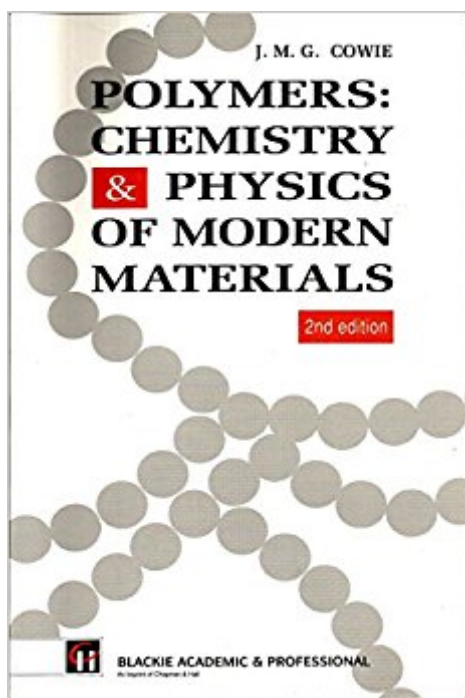


The book was found

# 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 1 customer review

Best Sellers Rank: #1,227,414 in Books (See Top 100 in Books) #22 in Books > Science & Math > Chemistry > Polymers & Macromolecules #590 in Books > Science & Math > Reference #1037 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 Biodegradable Polymers and Plastics (World Conference on Biodegradable Polymers and Plastics (7th) Organic Electronic Materials: Conjugated Polymers and Low Molecular Weight Organic Solids (Springer Series in Materials Science) Modern Chemistry Florida: Holt Chemistry and Modern Chemistry FCAT Standardized Test Preparation The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) Recent Advances in the Theory of Chemical and Physical Systems: Proceedings of the 9th European Workshop on Quantum Systems in Chemistry and Physics ... in Theoretical Chemistry and Physics) Chemistry of Hazardous Materials (6th Edition) (Hazardous Materials Chemistry) CRC Handbook of Chemistry and Physics, 88th Edition (CRC Handbook of Chemistry & Physics) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Compounding Materials for the Polymer Industries: A Concise Guide to Polymers, Rubbers, Adhesives, and Coatings Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers The Physics of Polymers: Concepts for Understanding Their Structures and Behavior Materials Science of Polymers for Engineers 3E Lattice Models of Polymers (Cambridge Lecture Notes in Physics) Inorganic and Organometallic Polymers (Special Topics in Inorganic Chemistry) Surface Chemistry of Surfactants and Polymers Radiation Curing of Polymers: The Proceedings of a Symposium Organized by the North West Region of the Industrial Division of the Royal Society of Chemistry, University of Lancaster, 18th-19th September 1986 (Special Publication No.64)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)