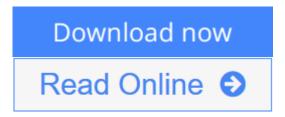


Polymer Chemistry: An Introduction

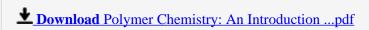
By Malcolm P. Stevens



Polymer Chemistry: An Introduction By Malcolm P. Stevens

Now updated to incorporate recent developments in the field, the third edition of this successful text offers an excellent introduction to polymer chemistry. Ideal for graduate students, advanced undergraduates, and industrial chemists who work with polymers, it is the only current polymer textbook that discusses polymer types according to functional groups. It provides a comprehensive and up-to-date overview of the chemistry of macromolecular substances, with particular emphasis on polymers that are important commercially and the properties that make them important. Major topics include polymer synthesis and nomenclature; molecular weight and molecular weight distribution; reactions of polymers; recycling of polymers; methods used for characterizing and testing polymers; morphology; stereoregular polymers; polymer blends; step-growth, chain-growth, and ring-opening polymerization; commercially important addition and condensation polymers; and heterocyclic, inorganic, and natural polymers. Review exercises, many including journal references, are provided to help lead students into the polymer literature.

Polymer Chemistry, 3/e, offers the most up-to-date treatment available of new developments in this rapidly changing field. It covers dendritic and hyperbranched polymers, olefin polymerization using metallocene catalysts, living free radical polymerization, biodegradable bacterial polyesters, mass spectrometric methods for determining molecular weights of polymers, atomic force microscopy for characterizing polymer surfaces, and polymers exhibiting nonlinear optical properties.





Polymer Chemistry: An Introduction

By Malcolm P. Stevens

Polymer Chemistry: An Introduction By Malcolm P. Stevens

Now updated to incorporate recent developments in the field, the third edition of this successful text offers an excellent introduction to polymer chemistry. Ideal for graduate students, advanced undergraduates, and industrial chemists who work with polymers, it is the only current polymer textbook that discusses polymer types according to functional groups. It provides a comprehensive and up-to-date overview of the chemistry of macromolecular substances, with particular emphasis on polymers that are important commercially and the properties that make them important. Major topics include polymer synthesis and nomenclature; molecular weight and molecular weight distribution; reactions of polymers; recycling of polymers; methods used for characterizing and testing polymers; morphology; stereoregular polymers; polymer blends; stepgrowth, chain-growth, and ring-opening polymerization; commercially important addition and condensation polymers; and heterocyclic, inorganic, and natural polymers. Review exercises, many including journal references, are provided to help lead students into the polymer literature.

Polymer Chemistry, 3/e, offers the most up-to-date treatment available of new developments in this rapidly changing field. It covers dendritic and hyperbranched polymers, olefin polymerization using metallocene catalysts, living free radical polymerization, biodegradable bacterial polyesters, mass spectrometric methods for determining molecular weights of polymers, atomic force microscopy for characterizing polymer surfaces, and polymers exhibiting nonlinear optical properties.

Polymer Chemistry: An Introduction By Malcolm P. Stevens Bibliography

• Sales Rank: #594804 in Books

• Brand: imusti

Published on: 1998-11-19Original language: English

• Number of items: 1

• Dimensions: 6.60" h x 1.30" w x 9.30" l, 2.00 pounds

• Binding: Hardcover

• 576 pages

▶ Download Polymer Chemistry: An Introduction ...pdf

Read Online Polymer Chemistry: An Introduction ...pdf

Download and Read Free Online Polymer Chemistry: An Introduction By Malcolm P. Stevens

Editorial Review

Review

"The best polymer textbook I've seen yet!"--Stuart R. Taylor, Tarleton State University

"Organized in a useful fashion, proceeding from fundamental principles to more advanced concepts. This allows an instructor to structure a course following the text, picking some subjects for emphasis and touching others lightly. The end-of-chapter exercises are excellent."--Gary Wentworth, Roosevelt University

"Provides a useful and comprehensive survey of the chemical and physical principles that underlie the practice of polymer and composite materials. Easily accessible to the advanced undergraduate chemist and well within the grasp of graduate students trained in allied areas."--Dennis M. Manos, College of William and Mary

About the Author Malcolm P. Stevens is at University of Hartford.

Users Review

From reader reviews:

Mary York:

The reserve untitled Polymer Chemistry: An Introduction is the reserve that recommended to you you just read. You can see the quality of the publication content that will be shown to you. The language that article author use to explained their ideas are easily to understand. The writer was did a lot of analysis when write the book, hence the information that they share to you personally is absolutely accurate. You also might get the e-book of Polymer Chemistry: An Introduction from the publisher to make you a lot more enjoy free time.

Ciara Wolfe:

Are you kind of stressful person, only have 10 or maybe 15 minute in your moment to upgrading your mind skill or thinking skill actually analytical thinking? Then you are experiencing problem with the book when compared with can satisfy your short time to read it because all of this time you only find e-book that need more time to be examine. Polymer Chemistry: An Introduction can be your answer as it can be read by a person who have those short free time problems.

Luther Brown:

As we know that book is important thing to add our information for everything. By a book we can know everything we would like. A book is a list of written, printed, illustrated or perhaps blank sheet. Every year had been exactly added. This reserve Polymer Chemistry: An Introduction was filled in relation to science. Spend your free time to add your knowledge about your science competence. Some people has distinct feel

when they reading a book. If you know how big good thing about a book, you can sense enjoy to read a publication. In the modern era like right now, many ways to get book which you wanted.

Gale Gibbs:

That book can make you to feel relax. This book Polymer Chemistry: An Introduction was bright colored and of course has pictures on the website. As we know that book Polymer Chemistry: An Introduction has many kinds or style. Start from kids until teens. For example Naruto or Detective Conan you can read and think you are the character on there. Therefore not at all of book are generally make you bored, any it offers up you feel happy, fun and loosen up. Try to choose the best book for yourself and try to like reading that.

Download and Read Online Polymer Chemistry: An Introduction By Malcolm P. Stevens #NEPVL85UZM3

Read Polymer Chemistry: An Introduction By Malcolm P. Stevens for online ebook

Polymer Chemistry: An Introduction By Malcolm P. Stevens Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Polymer Chemistry: An Introduction By Malcolm P. Stevens books to read online.

Online Polymer Chemistry: An Introduction By Malcolm P. Stevens ebook PDF download

Polymer Chemistry: An Introduction By Malcolm P. Stevens Doc

Polymer Chemistry: An Introduction By Malcolm P. Stevens Mobipocket

Polymer Chemistry: An Introduction By Malcolm P. Stevens EPub

NEPVL85UZM3: Polymer Chemistry: An Introduction By Malcolm P. Stevens