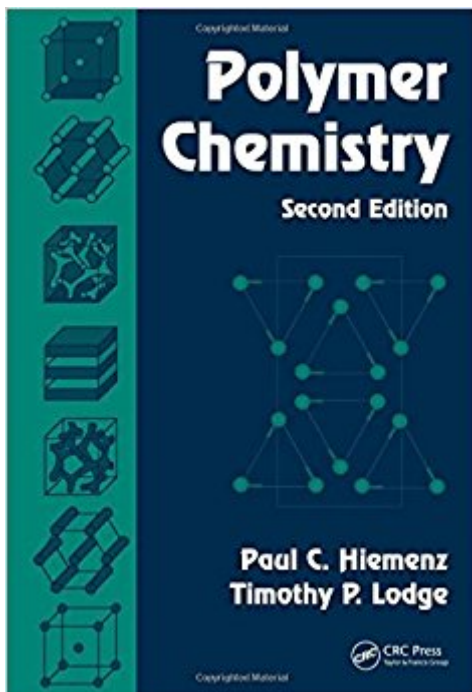


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Polymer Chemistry, Second Edition



Synopsis

“Highly recommended!” CHOICE New Edition Offers Improved Framework for Understanding Polymers Written by well-established professors in the field, Polymer Chemistry, Second Edition provides a well-rounded and articulate examination of polymer properties at the molecular level. It focuses on fundamental principles based on underlying chemical structures, polymer synthesis, characterization, and properties. Consistent with the previous edition, the authors emphasize the logical progression of concepts, rather than presenting just a catalog of facts. The book covers topics that appear prominently in current polymer science journals. It also provides mathematical tools as needed, and fully derived problems for advanced calculations. This new edition integrates new theories and experiments made possible by advances in instrumentation. It adds new chapters on controlled polymerization and chain conformations while expanding and updating material on topics such as catalysis and synthesis, viscoelasticity, rubber elasticity, glass transition, crystallization, solution properties, thermodynamics, and light scattering. Polymer Chemistry, Second Edition offers a logical presentation of topics that can be scaled to meet the needs of introductory as well as more advanced courses in chemistry, materials science, and chemical engineering.

Book Information

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Customer Reviews

...an unusual book with a very realistic educational approach, designed to give the student or any reader an interesting and, in fact, fascinating body of valuable and stimulating information. ---Journal

of Polymer Science --This text refers to an out of print or unavailable edition of this title.

This 2nd edition is nearly a total rewrite. The fine structure of the first edition is greatly strengthened by the most recent advances in polymer science and crystal clear explanations of the important phenomena, especially in polymer physics. Worked exercises and challenging homework problems aid student learning. I have used all the major texts to teach introductory polymer science to seniors and also graduate students in chemical engineering, materials science, chemistry and biomedical engineering. Hiemenz and Lodge is the clearly the best.Â Â Polymer Chemistry, Second Edition

I was required to get this book for a college polymer class. Its not bad, but it does lack in examples. It never fully explains how to do many types of problems, which makes studying for exams much harder. If your prof fills in the blanks, its okay, or if you just want to understand some general principles, its great. It just lacks on the particular details of solving more complex problems.

Very nice book. It helps a lot with the basic understanding in polymers.

I read few chapters and found it is well written. It was very useful for me to understand they the book was trying to tell. This was the first time I ever read anything about polymer but still I found the book readable.

Nice

good for this price

If you are buying one polymer physics book make it this one.

I'm using this book and the Rubinstein book for a polymer physical chemistry class. Hiemenz and Lodge do a great job explaining things.

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