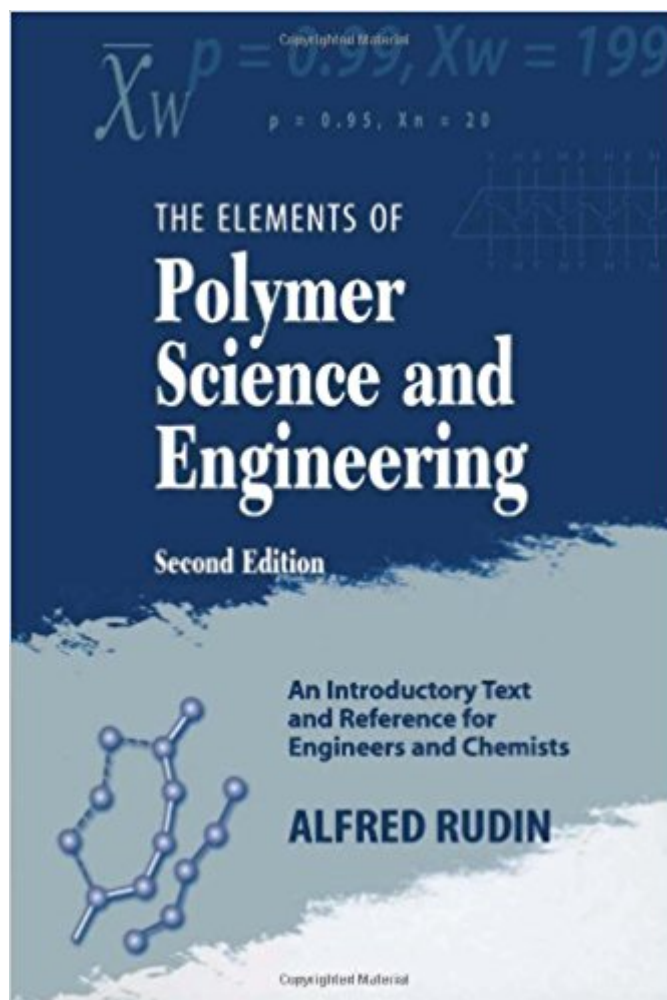


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Elements Of Polymer Science & Engineering, Second Edition: An Introductory Text And Reference For Engineers And Chemists (The Elements Of Polymer Science And Engineering)





Synopsis

Tremendous developments in the field of polymer science, its growing importance, and an increase in the number of polymer science courses in both physics and chemistry departments have led to the revision of the First Edition. This new edition addresses subjects as spectroscopy (NMR), dynamic light scattering, and other modern techniques unknown before the publication of the First Edition. The Second Edition focuses on both theory (physics and chemistry) and engineering applications which make it useful for chemistry, physics, and chemical engineering departments.

Key Features@bul

Book Information

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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, Vol. 24, No. 10, 1999.

Polymeric materials are finding an ever-increasing number of new industrial applications. The volume of polymers used as plastics, rubbers, coatings, fibers and related products exceeds the volume of metals in the industrialized world. The day-to-day work of technically trained people in this industry is more likely to require a grasp of polymer science or engineering than of any other

sub-discipline. The Elements of Polymer Science and Engineering, 2nd Edition is a hands-on guide for such readers, as well as serving as the text for a two- or three-semester course in polymer science and engineering. The material covered begins with basic concepts and proceeds through to current industrial practice. The Elements of Polymer Science and Engineering, 2nd Edition strongly emphasizes the practical applications of polymer science. Dr. Rudin focuses his vast expertise in both the chemistry and physics aspects of today's polymer science and engineering, providing professionals and students with an exceptional and thorough navigational tool.

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I used this book as a textbook in a class. I feel that it is not really that strong of a book for most introductory polymer courses. I feel that either Alcock's book for a course stressing synthesis and characterization or Heimeitz's book for courses stressing polymer physics are better. Of all the polymer books on my shelf, it is probably the least useful to me now. It is at the right level for beginning students, but there are better choices for beginners out there.

All those who want to make a solid base in this subject must study this book. This book has made each and every concept of polymer science simple and easy to understand. The difficulties that students encounter in Polymer weight measurements have been dealt with beautifully and one can easily follow it. The concepts of isomerization and copolymers are also explained clearly. In all I can say that this book is worth reading otherwise you may miss something important in Polymer Science Engineering.

An excellent book covering a broad range of relevant topical matter. Good for both undergrad and graduate level reference and problems.

Does a good job with the science and presents it concisely. However, fails miserably on the applications end.

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