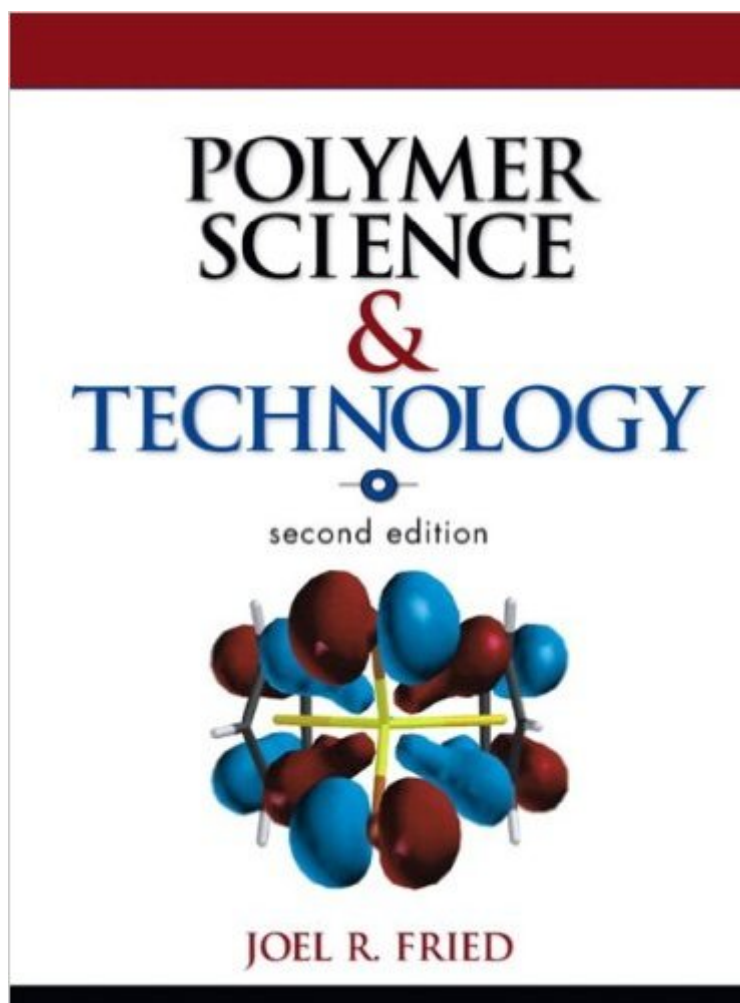


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Polymer Science And Technology (paperback) (2nd Edition)



Synopsis

Appropriate for upper level undergraduate and graduate level courses in Chemical Engineering, Chemistry, and Materials Science and Engineering. It is also useful as a reference for Engineers and Chemists working in the synthetic plastics and chemical process industries. This book presents a comprehensive, up-to-date review of the current state of polymer science and technology and emerging areas of growth. In addition to synthetic polymer chemistry, the book also covers the properties of polymers in solutions and in the melt, rubber, and solid states, surveying all important categories of plastics. It includes detailed coverage of both polymer processing principles and the latest polymer applications in a wide range of industries-including medicine, biotechnology, chemicals, and electronics.

Book Information

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Customer Reviews

This textbook provides a good introduction to polymers, their processing, applications, and properties. The book assumes minimal prior knowledge of polymers, and begins with a simple intro to properties such as glass transition temperature, molecular weight, thermoplastic versus thermoset. Electrical, mechanical, and chemical properties of polymers are discussed and related to the structure and composition of the material. The book is organized very well. It includes dedicated chapters on synthesis, processing, degradation, and for the different classes of polymers. Each chapter is short and can stand alone by itself. A short list of references is also provided at the end of each chapter, and these are organized according to the different sections in each chapter. The level

of the text is appropriate for juniors or seniors in engineering or chemistry. The math is kept at a simple level; nothing harder than integral calculus, and there are a lot of pictures and diagrams. The amount and scope of information also warrants purchasing this as a general reference for polymers. I recommend this book for those who are learning about, or teaching about polymers.

This is a really nice introduction to polymers, and covers most major topics. It nicely complements the Intro to Polymers book by Young and Lovell (also another nice intro book). This book is geared for science majors and engineers. It has some basic math (algebra and a little calculus), and assumes a basic understanding of chemistry and organic chemistry. I also like that it reads well on a Kindle (Kindle PC App and iPad Kindle app). Chemical structures are graphically clear, and the mathematical equations in the book are readable. Not the best Kindle formatted book I've seen, but not bad.

Excellent Book. I use it for my grad class. Covers most topics that are required to gain a sufficient introductory knowledge in polymer science. I would recommend it to undergrads as well as grad students.

A great text for Materials Chemistry subjects at University. This book displays a great deal of information both calculatory and chemically which complements the text from all levels. Plastics look out!!!!

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