An Introduction To Polymer Physics

Synopsis

Assuming no previous knowledge of polymers, this book provides a general introduction to the physics of solid polymers. Covering a wide range of topics within the field of polymer physics, the book begins with a brief history of the development of synthetic polymers and an overview of the methods of polymerization and processing. In the following chapter, David Bower describes important experimental techniques used in the study of polymers. The main part of the book, however, is devoted to the structure and properties of solid polymers, including blends, copolymers and liquid crystal polymers.

Book Information

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Customer Reviews

"This book will be particularly welcome by physicists, but it will also be extremely useful to a much wider audience, ranging from chemists to chemical engineers, to material scientists." Polymer News"...an excellent addition to any bookshelf.... The book will help undergraduates to understand difficult concepts and introduce experienced polymer chemists to new areas.... In short, this is an excellent book, which I believe will appeal to a wide range of chemists, physicists, material scientists, and engineers." Materials Today"The language used is rigorous, but the writing is very clear, and coherent from section to section.... For practitioners of polymer and materials science, this book will be a great asset for teaching." American Journal of Physics

A general introduction to solid polymer physics at a more elementary level than many existing books, assuming no previous knowledge of polymers. It begins with a brief history of the

development of synthetic polymers and an overview of the methods of polymerisation and processing. Following a description of important experimental techniques, the author deals with the structure and properties of solid polymers, including blends, copolymers and liquid crystal polymers. Suitable for advanced undergraduate and graduate students of physics, materials science or chemistry, it includes worked examples, and problems with solutions.

I cannot speak for other prints of this book, but the copy that I got is just terrible. The characters were all mangled and the type was completely unreadable.Unfortunately, I cannot say anything about the content because reading such a horribly formatted book was just too painful.

The text is okay for general information, but it really does lack in some critical thinking areas. Some of the examples had mistakes.

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