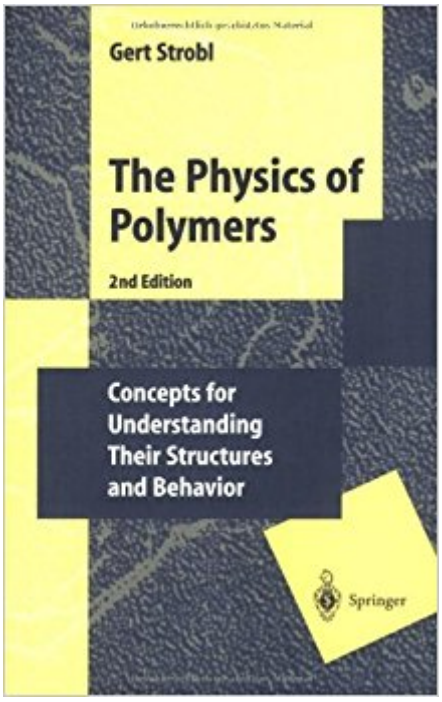
The Physics Of Polymers: Concepts For Understanding Their Structures And Behavior



Synopsis

Polymer Physics is one of the key lectures not only in polymer science but also in materials science. Strobl presents in his textbook the elements of polymer physics to the necessary extent in a very didactical way. His main focus lays on the concepts of polymer physics, not on theoretical aspects or mere physical methods. He has written the book in a personal style evaluating the concepts he is dealing with. Every student in polymer and materials science will be happy to have it on his shelf.

Book Information

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Customer Reviews

This is a comprehensive polymer physics book, each chapter is well written with adequate depth of coverage. Most definitely the book one must pick to delve into dynamics, thermodynamics, scattering and crystallization, and get to the level of appreciating the complexity and beauty of current research and understanding in the field of polymer physics. Highly recommended!

I’m no expert on polymers, but I’ve been exposed to a little on the subject through my work and classes, so I picked this up on sale. The beginnings of the chapters seem informative for one who wants a soundbite rather than the full meaty treatment. On a handful of occasions I’ve found a few

numbers and figures from the book useful.However, this is not a book for a beginner who wants to gain a little familiarity of the subject without serious study (not like, say, Saleh and Teich's optics book, where one can pick a topic and learn a little about it). When he decides to delve into theory the derivations can only be understood by sitting down and going through them by hand. It's not that steps are skipped or any other such atrocious practice, but simply that this is a book for people working hard to understand and join the field, not outsiders who want to gain some familiarity with it.So, I'd say it's meaty but understandable for beginners who are serious about studying polymer physics, but not for people like me who encounter polymers from time to time and would like to gain a passing familiarity with the field. Also, it seems like a good reference even for experts, with the wealth of figures and charts and numbers and derivations.

During my study of polymers, have found this quite helpful. It introduces a great insight, that, I a thirteen year old, appreciate. This has been quite an enjoyable read and I hope to enjoy more of his work as well. I commend Gert R. Strobi for accomplishing the task of writing in what some refer to as a complex subject.

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