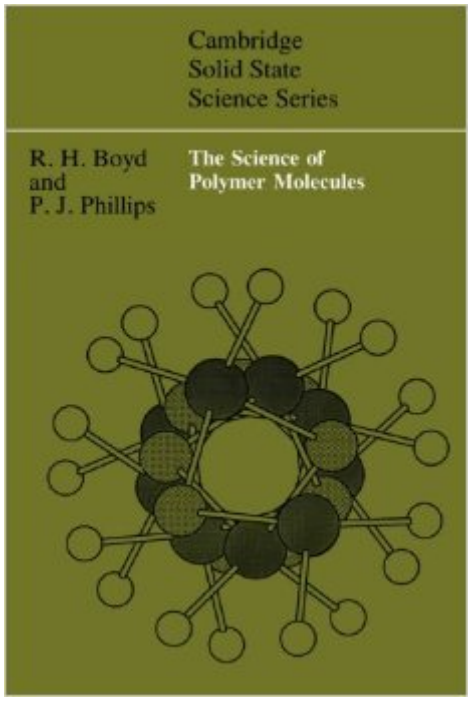
The Science Of Polymer Molecules (Cambridge Solid State Science Series)



Synopsis

This book is an introduction to polymers that focuses on the synthesis, structure, and properties of the individual molecules that constitute polymeric materials. The authors approach the subject matter from a molecular basis and carefully develop principles from an elementary starting point. Their discussion includes an overview of polymer synthesis, an introduction to the concept and measurement of molecular weight, a detailed view of polymer kinetics and the three-dimensional architecture of polymers, and a statistical description of disorder.

Book Information

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Customer Reviews

This book indicates the principal chemical routes to polymeric materials and the analytical methods to characterize them (with particular reference to molar mass determination). It clearly states the theory of end-to-end distances, the theory of chains in solution, the theory of rubber elasticity and the theory of bond conformation population. This book could be very useful to chemists requiring a quick prediction of the properties of their materials or a brief, easy-to-read, introduction to the most important and simple mathematical models in macromolecular science.

Very useful book, and was delivered on time.

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