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Comprehensive Desk Reference Of Polymer Characterization And Analysis (ACS Symposium Series)



Synopsis

This book is a practical manual for those who analyze polymers. Self-contained chapters describe when a technique should be selected, explain its basic principles, describe how instruments are constructed and operated, and teach how the data obtained relate to molecular structure and physical properties. Many clear illustrations are included. Implicit memory refers to a change in task performance due to an earlier experience that is not consciously remembered. This book is not a research manual but rather a guide to performing and understanding polymer characterization and an introduction to the specialized literature of the analytical chemistry of polymers. The techniques covered are directly relevant to the characterization of synthetic polymers such as adhesives, sealants, polymers, composites, coatings, elastomers, rubber, and other nonmetallic materials. Many techniques are also quite useful for natural and biological polymers.

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Customer Reviews

Working at a university I have access to a plethora of texts on polymers. While developing a new technique in our lab I turned to this book along with several others on polymer microscopy and imaging, but I found this one so useful that I went out and bought myself a copy the next day. While it is expensive, this book is truly worth the price. In the age of the internet the importance of comprehensive desk references such as this one have been overlooked. However, there is something to be said for having the information on hand all the time. This book covers most of the

major techniques for polymer characterization, including a number of microscopic techniques. It explains the science behind how the techniques work and suggests specific applications for polymer work. In short, while you may not need this book everyday, when you are trying to teach yourself a new technique you will thank yourself for having invested in this.

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