



Contemporary Polymer Chemistry (3rd Edition)

By Allcock, Harry; Lampe Deceased, Fred; Mark, James

Prentice Hall, 2003. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: I. SYNTHESIS AND REACTIONS OF POLYMERS. 1. The Scope of Polymer Chemistry. 2. Condensation and Other Step-Type Polymerizations. 3. Free-Radical Polymerization. 4. Ionic and Coordination Polymerization. 5. Photolytic, Radiation, and Electrolytic Polymerization. 6. Polymerization of Cyclic Organic Compounds. 7. Reactions of Synthetic Polymers. 8. Biological Polymers and Their Reactions. 9. Inorganic Elements in Polymers. II. THERMODYNAMICS AND KINETICS OF POLYMERIZATION. 10. Polymerization and Depolymerization Equilibria. 11. Kinetics of Condensation (Step-Growth) Polymerization. 12. Kinetics of Free-Radical Polymerization. 13. Kinetics of Ionic Polymerization. III. PHYSICAL CHARACTERIZATION OF POLYMERS. 14. Determination of Absolute Molecular Weights. 15. Secondary Methods for Molecular Weight Determination. 16. Thermodynamics of Solutions of High Polymers. 17. Morphology, Glass Transitions, and Polymer Crystallinity. 18. Conformational Analysis of Polymers. 19. X-Ray Diffraction by Polymers. IV. FABRICATION AND TESTING OF POLYMERS. 20. Fabrication of Polymers. 21. Testing of Polymers. V. MOLECULAR STRUCTURE, PROPERTIES, AND USES. 22. General Structure-Property Relationships. 23. Electroactive Polymers. 24. Biomedical Applications of Synthetic Polymers. VI. APPENDICES. I. Polymer Nomenclature. II. Properties and Uses of Selected Polymers. III. References to Topics not Discussed in this Book. Author Index. Subject Index.

Reviews

Good eBook and helpful one. It really is written in straightforward words and phrases and never confusing. I am just effortlessly could possibly get a enjoyment of looking at a published book.

-- **Romaine Rippin**

The book is great and fantastic. it absolutely was written very properly and beneficial. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Lyda Davis II**