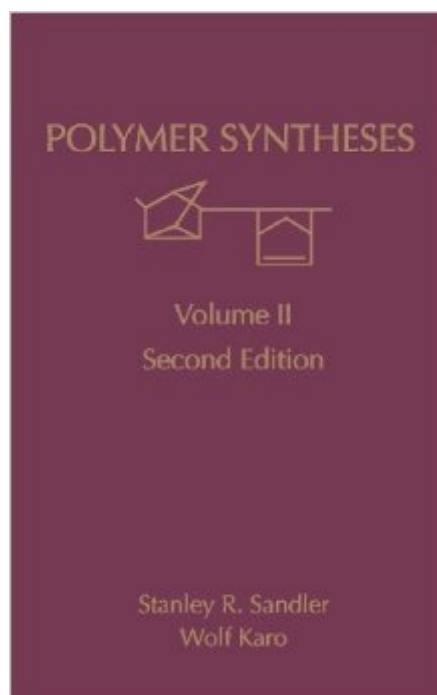


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Polymer Syntheses. Volume II. Second Edition



Synopsis

This revised and updated Second Edition of Polymer Synthesis II continues in the tradition of Volume I in presenting detailed laboratory instructions for the preparation of various polymers. Each chapter is organized by functional groups, and each chapter not only presents preparative methods, but also includes a brief introductory summary, reviews of the very latest journal articles and patents, and safety hazards and precautions. Procedures have been chosen on the basis of safety considerations and ease of being carried out with standard laboratory equipment. This comprehensive treatment of each polymer group makes Polymer Synthesis II an indispensable guide for industrial and academic chemists as well as for students in the field.

Key Features* This revised edition:
* Covers each polymer class, heavily referencing these with patent literature to illustrate commercial applications
* Provides new and updated information for each functional group, including:
* Curing agents for epoxy resins
* Polymerization of vinyl ethers and copolymers
* Polyvinyl silfides
* Polymerization of vinyl pyrrolidone and copolymers
* Features expanded data tables and updated references
* Presents numerous citations to new catalysts for each polymer preparation involving ureas
* Includes a new section--Complex Formulation--involving the preparation of polyacrylic acid and its copolymers
* Contains many new preparations, including:
* Preparation of t-butyl acrylate copolymers using the Teyssie Method
* Template polymerization of vinylimidazole on polymethacrylic acid
* Polymerization of aqueous acrylic acid using AIBN
* Preparation of polyketals by transketalization
* Copolymerization of maleic anhydride with ethyl vinyl ether
* Complex and template polymerizations

Book Information

Hardcover: 427 pages

Publisher: Academic Press; 2 edition (November 5, 1994)

Language: English

ISBN-10: 0126185123

ISBN-13: 978-0126185126

Product Dimensions: 6 x 1 x 9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

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