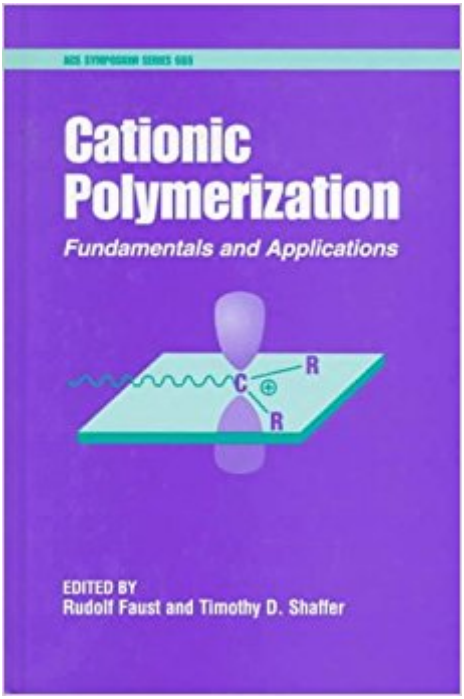
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Cationic Polymerization: Fundamentals And Applications (ACS Symposium Series)



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Synopsis

Cationic Polymerization covers the essential practices and latest procedures for working with carbocationic and ring opening polymerization. It presents the kinetic rates of individual steps of cationic polymerization using laser flash photolysis and competitive experimental techniques. It examines several new catalyst systems including a water-resistant, recoverable Lewis acid for ring polymerization. It also highlights the use of living carbocationic techniques to prepare amphiphilic block copolymers, multiarm star polymers, and coupled copolymers of isobutylene, and it compares the similarities and differences of "living" radical and carbocationic techniques. Essential for chemists working with cationic polymerization, the volume is also useful for researchers new to the field.

Book Information

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"The field of carbocationic polymerization has undergone rapid growth in recent years. In just over a decade, this area has expanded from the first examples of living polymerization to numerous monomers that undergo living polymerization by a variety of initiator-coinitiator pairs. These newly discovered living systems have permitted the synthesis of advanced materials such as block copolymers and end-functional polymers. Preparation of these materials was either not possible or extremely difficult using conventional techniques. . . .The book is meant for academic and industrial polymer scientists and engineers working in the field of ionic polymerizations and will be appreciated

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