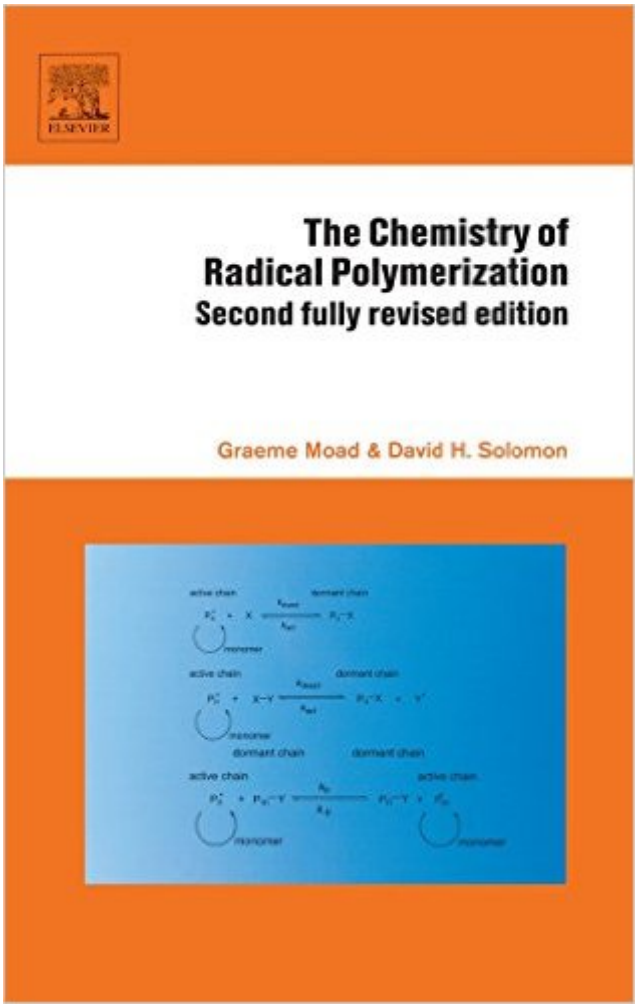
The Chemistry Of Radical Polymerization, Second Edition



Synopsis

In the ten years since the first edition appeared the renaissance in Free Radical Polymerization has continued and gained momentum. In this second revised edition, the authors critically evaluate the findings of the last decade, where necessary reinterpreting earlier work in the light of these ideas, and point to the areas where current and future research is being directed. The overall aim is to provide a framework for further extending our understanding of free radical polymerization and create a definable link between synthesis conditions and polymer structure and properties. The authors have updated all chapters, and added many new references and two new chapters to reflect the significant advances made in radical polymerization. One new chapter has been devoted tothe area of living radical polymerization which is now responsible for a very substantial fraction of the papers in the field. In addition to offering polymers with unique compositions and properties not achievable with other methodologies, living radical polymerization has also been combined with otherprocesses and mechanisms to give structures and architectures that were not previously thought possible. The developments are seen to have great application particularly in the emerging areas of electronics, biotechnology and nanotechnology. * A new chapter devoted to the growing field of living radical polymerization* Seven chapters revised and updated with eight years of new research* An excellent text suitable for graduates in polymer chemistry and a reference source for researchers and practitioners in radical polymerization

Book Information

Hardcover: 666 pages

Publisher: Elsevier Science; 2 edition (January 25, 2006)

Language: English

ISBN-10: 0080442862

ISBN-13: 978-0080442860

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

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