



## Carraher's Polymer Chemistry (Hardback)

By Jr. Charles E. Carraher

Taylor Francis Inc, United States, 2013. Hardback. Book Condition: New. 9th Revised edition. 258 x 182 mm. Language: English . Brand New Book. Most of the advancements in communication, computers, medicine, and air and water purity are linked to macromolecules and a fundamental understanding of the principles that govern their behavior. These fundamentals are explored in Carraher's Polymer Chemistry, Ninth Edition. Continuing the tradition of previous volumes, the latest edition provides a well-rounded presentation of the principles and applications of polymers. With an emphasis on the environment and green chemistry and materials, this edition offers detailed coverage of natural and synthetic giant molecules, inorganic and organic polymers, biomacromolecules, elastomers, adhesives, coatings, fibers, plastics, blends, caulks, composites, and ceramics. Using simple fundamentals, this book demonstrates how the basic principles of one polymer group can be applied to all of the other groups. It covers reactivities, synthesis and polymerization reactions, techniques for characterization and analysis, energy absorption and thermal conductivity, physical and optical properties, and practical applications. This edition includes updated techniques, new sections on a number of copolymers, expanded emphasis on nanotechnology and nanomaterials, and increased coverage of topics including carbon nanotubes, tapes and glues, photochemistry, and more. With topics...



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