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Soggetti	Materials - Testing Polymers - Testing Polymer engineering
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1. Modeling of stress birefringence for highly cross-linked polymers -- 2. High-molecular weight biopolymer -- 3. Steel surface modification -- 4. Monte Carlo Simulation of the three-dimensional free-radical polymerization of tetrafunctional monomers -- 5. Applications of polycondensation capable monomers for production of elastomeric materials working in extreme conditions -- 6. Aromatic polyamides and polyimides of triarilmethane fragments in main chain -- 7. Biopolymers for application in photonics -- 8. Molecular modeling of the Tert-Butyl Hydroperoxide NMR1H and 13C Spectra -- 9. Clearing and cooling of smoke fumes in production of pottery -- 10. Update on CNT/Polymer nano-composites : from theory to applications -- 11. 3D reconstruction from two views of single 2D image and its applications in pore analysis of nanofibrous membrane -- 12. Solar power harvesting by photovoltaic materials : a comprehensive review -- 13. Geometric and electronic structure of the models of Dekacene and Eicocene within the framework of molecular graphene model -- 14. Introduction to ceramizable polymer composites -- 15. The rheological behavior of liquid two-phase gelatin-locust bean gum systems -- 16. The kinetic DPPH-method of antiradical activity analysis of the

materials of plant origin -- 17. Update on modern fibers, fabrics and clothing.

Sommario/riassunto

This new book facilitates the study of problematic chemicals in such applications as chemical fate modeling, chemical process design, and experimental design. It provides a valuable overview of current chemical processes, products, and practices and analyzes theories to formulate and prove physicochemical principles. It addresses the production and
