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Nota di contenuto	High Performance Polymers and Engineering Plastics; Contents; Preface; List of Contributors; 1 High Performance Polymers: An Overview; 1.1 Introduction; 1.2 Poly (ether amide) and Poly(ether amide-imide); 1.3 Poly(arylene ether); 1.4 Benzoxazine Polymers; 1.5 Poly (ether ether ketone) (PEEK); 1.6 Polytriazole; 1.7 Hyperbranched Conjugated Polymers; 1.8 Alternating Copolymers; 1.9 References; 2 Synthesis and Properties of Polyoxadiazoles; 2.1 Introduction; 2.2 Synthesis of Polyoxadiazoles in Poly(phosphoric acid); 2.3 Thermal and Mechanical Properties of Polyoxadiazoles; 2.4 Application Fields 2.5 References3 Conjugated Polymers Based on Benzo[1,2-b:4,5-b'] dithiophene for Organic Electronics; 3.1 Introduction; 3.2 General

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Sommario/riassunto

This book describes advances in synthesis, processing, and technology of environmentally friendly polymers generated from renewable resources. With contents based on a wide range of functional monomers and contributions from eminent researchers, this volume demonstrates the design, synthesis, properties and applications of plant oil based polymers, presenting an elaborate review of acid mediated polymerization techniques for the generation of green polymers. Chemical engineers are provided with state-of-the-art information that acts to further progress research in this direction.
