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Nota di contenuto	Front Cover; CONTENTS; List of Contributors; List of Abbreviations; List of Symbols; Preface; 1. Electrospinning Process: A Comprehensive Review and Update; 2. Aluminium-Coated Polymer Films as Infrared Light Shields for Food Packing; 3. Generalization of Fuels Swelling Data by Means of Linear Free Energy Principle; 4. Trends on New Biodegradable Blends on the Basis of Copolymers 3-Hydroxybutyrate with Hydroxyvalerate and Segmented Polyetherurethane; 5. New Biologically Active Composite Materials on the Basis of Dialdehyde Cellulose 6. Microheterogeneous Titanium Ziegler-Natta Catalysts: The Influence of Particle Size on the Isoprene Polymerization 7. The Role and Mechanism of Bonding Agents in Composite Solid Propellants; 8. A Study on Adsorption of Methane on Zeolite 13x at Various Pressures and Temperatures; 9. Importance of the Phase Behavior in Biopolymer Mixtures
Sommario/riassunto	This book covers a broad range of polymeric materials and provides industry professionals and researchers in polymer science and technology with a single, comprehensive book summarizing all aspects

involved in the functional materials production chain. This volume presents the latest developments and trends in advanced polymer materials and structures. It discusses the developments of advanced polymers and respective tools to characterize and predict the material properties and behavior. This book has an important role in advancing polymer materials in macro and nanoscale. Its aim is to provide

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