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Descrizione fisica	1 online resource (XXIII, 2378 p. 491 illus., 131 illus. in color. eReference.) : online resource
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Soggetti	Polymers Soft condensed matter Materials - Analysis Chemistry, Physical and theoretical Chemistry, Technical Soft and Granular Matter Characterization and Analytical Technique Physical Chemistry Industrial Chemistry
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Nota di contenuto	Fundamentals: Polymer Blends: Introduction -- Thermodynamics of Polymer Blends -- Crystallization, Micro- and Nano-structure, and Melting Behavior of Polymer Blends -- Interphase and Compatibilization by Addition of a Compatibilizer -- Reactive Compatibilization -- Interpenetrating Polymer Networks -- Rheology of Polymer Alloys and Blends -- Morphology of Polymer Blends -- Compounding Polymer Blends -- Properties: Properties and Performance of Polymer Blends -- Mechanical Properties of Polymer Blends -- Broadband Dielectric Spectroscopy on Polymer Blends -- Physical Aging of Polymer Blends -- Degradation, Stabilization, and Flammability of Polymer Blends -- APPLICATIONS: Applications of Polymer Blends -- High Performance Polymer Alloys and Blends for Special Applications -- Polymer Blends Containing "Nanoparticles" -- Polyethylenes and their Blends -- Commercial Polymer Blends --

Recycling Polymer Blends -- Miscible Polymer Blends -- Appendices:  
Appendix I. International Abbreviations for Polymers and Polymer  
Processing -- Appendix II. Examples of Commercial Polymer Blends --  
Appendix III. Dictionary of Terms Used in Polymer Science and  
Technology -- Appendix IV. Trade Names of Polymers and their Blends  
-- Appendix V. Commercialization Dates of Selected Polymers --  
Appendix VI. Notation and Symbols.

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#### Sommario/riassunto

The Polymer Blends Handbook is a fundamental reference work on polymer blends, covering all aspects: science, engineering, technology and application. It will appeal to anyone working in the field of blends, researchers as well as engineers. The Handbook is designed to be the source of information on all aspects of polymer blends. To this end the Editors have put together an international group of highly respected contributors, each an expert in his chosen subjects.

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