

1. Record Nr.	UNINA9910484968603321
Titolo	Polymer Blends Handbook [[electronic resource] /] / edited by L.A. Utracki
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2003
ISBN	0-306-48244-4 1-59124-836-1
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (eReference.)
Disciplina	541.2254
Soggetti	Polymers Amorphous substances Complex fluids Materials science Polymer Sciences Soft and Granular Matter, Complex Fluids and Microfluidics Characterization and Evaluation of Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	List of Authors -- Preface -- 1: Introduction to Polymer Blends -- 2: Thermodynamics of Polymer Blends -- 3: Crystallization, Morphological Structure and Melting of Polymer Blends -- 4: Interphase and Compatibilization by Addition of a Compatibilizer -- 5: Reactive Compatibilization of Polymer Blends -- 6: Interpenetrating Polymer Networks -- 7: The Rheology of Polymer Alloys and Blends -- 8: Morphology. of Polymer Blends -- 9: Compounding Polymer Blends -- 10: Polymer Blends Forming -- 11: Use of High Energy Radiation in Polymer Blends Technology -- 12: Properties and Performance of Polymer Blends -- 13: Applications of Polymer Alloys and -- 14: Aging and Degradation of Polymer Blends -- 15: Commercial Polymer Blends -- 16: Role of Polymer Blends' Technology in Polymer Recycling -- 17: Perspectives in Polymer Blend Technolog -- Appendix 1: International Abbreviations for Polymers and Polymer Processing -- Appendix 2: Miscible Polymer Blends -- Appendix 3: Examples of Commercial Blends -- Appendix 4: Dictionary of Terms Used in Polymer Science and

Sommario/riassunto

This 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 editor has put together an international group of highly respected contributors, each an expert in his chosen subjects. Polymer Blends Handbook, Volume 1 and Volume 2 is an exceptional source of information that will prove invaluable for anyone blending polymers. An electronic version of the Polymer Blends Handbook by Utracki is available.
