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Titolo	Handbook of material weathering / / George Wypych
Pubbl/distr/stampa	Toronto, : ChemTec Pub., c2008
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Edizione	[4th ed.]
Descrizione fisica	1 online resource (822 p.)
Altri autori (Persone)	WypychGeorge
Disciplina	620.1/1223
Soggetti	Materials - Deterioration Materials - Biodegradation Polymers - Deterioration Polymers - Biodegradation Environmental testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	First ed. published in 1990 as: Weathering handbook / Jerzy Wypych.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Table of Contents""; ""Preface""; ""Photophysics""; ""Photochemistry""; ""Parameters of Exposure""; ""Measurements in Assessment of Weathering Conditions""; ""Climatic Conditions""; ""Methods of Outdoor Exposure""; ""Laboratory Degradation Studies""; ""Weathering Cycles""; ""Sample Preparation""; ""Weathering Data Interpretation. Lifetime Prediction""; ""Artificial Weathering Versus Natural Exposure""; ""Effect of Weathering on Material Properties""; ""Testing Methods of Weathered Specimen""; ""Data on Specific Polymers""; ""Effect of Additives on Weathering"" ""Weathering of Compounded Products""""Stabilization and Stabilizers""; ""Biodegradation""; ""Recycling""; ""Environmental Stress Cracking""; ""Interrelation Between Corrosion and Weathering""; ""Weathering of Stones""; ""Index""
Sommario/riassunto	The fourth edition of this seminal work provides comprehensive and current information on material weathering for over forty families of polymers. It presents discussions on formulating mechanisms of degradation, effect of thermal processes, present characteristic changes in properties, and tables of available numerical data. This single source reference will dramatically reduce the time used

searching for answers in many different sources. This book is an important reference monograph for those involved in studying material durability, producing materials for outdoor use and actinic exposure, research chemists in the photochemistry field, chemists and material scientists designing new materials, users of manufactured products, those who control the quality of manufactured products, and students who want to apply their knowledge to real materials.