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Autore	Dreyfus-Brisac, Edmond
Titolo	La clef des maximes de La Rochefoucauld : études littéraires comparées / par Edmond Dreyfus-Brisac
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Nota di contenuto

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Chapter 7. Molecular Weight Loss and Chemical Changes in Copolyester Sheeting with Outdoor ExposureChapter 8. Fourier Transform Infrared Micro Spectroscopy. Mapping Studies of Weathered PVC Capstock Type Formulations. II: Outdoor Weathering in Pennsylvania; Chapter 9. Effects of Water Spray and Irradiance Level on Changes Sheeting with Xenon Arc Exposure; Chapter 10. Hot Water Resistance of Glass Fiber Reinforced Thermoplastics; Chapter 11. Surface Temperatures and Temperature Measurement Techniques on the Level of Exposed Samples During Irradiation/Weathering in Equipment
Chapter 12. Infrared Welding of Thermoplastics: Characterization of Transmission Behavior of Eleven ThermoplasticsChapter 13. Infrared Welding of Thermoplastics. Colored Pigments and Carbon Black Levels on Transmission of Infrared Radiation; Chapter 14. Predicting Maximum Field Service Temperatures From Solar Reflectance Measurements of Vinyl; Chapter 15. Residual Stress Distribution Modification Caused by Weathering; Chapter 16. Residual Stress Development in Marine Coatings Under Simulated Service Conditions
Chapter 17. Balancing the Color and Physical Property Retention of Polyolefins Through the Use of High Performance Stabilizer SystemsChapter 18. Activation Energies of Polymer Degradation; Chapter 19. Failure Progression and Mechanisms of Irradiated Polypropylenes and Other Medical Polymers; Chapter 20. Chemical Assessment of Automotive Clearcoat Weathering; Chapter 21. Effect of Aging on Mineral-Filled Nanocomposites; Chapter 22. The Influence of Degraded, Recycled PP on Incompatible Blends; Chapter 23. Interactions of Hindered Amine Stabilizers in Acidic and Alkaline Environments
Chapter 24. Interactions of Pesticides and Stabilizers in PE Films for Agricultural UseChapter 25. The Influence of Co-Additive Interactions on Stabilizer Performance; Chapter 26. New High Performance Light Stabilizer Systems for Molded-in Color TPOs: An Update; Chapter 27. Stabilization of Polyolefins by Photoreactive Light Stabilizers; Chapter 28. Effect of Stabilizer on Photo-Degradation Depth Profile; Chapter 29. New Light Stabilizer For Coextruded Polycarbonate Sheet; Chapter 30. Ultraviolet Light Resistance of Vinyl Miniblinds. Part 2. Reaction Products Formed by Lead in Air
Chapter 31. Case Studies of Inadvertent Interactions Between Polymers and Devices in Field Applications

Sommario/riassunto

In spite of extensive efforts, material weathering testing still requires improvement. This book presents findings and opinions of experts in material degradation testing. The aim is to improve testing methods and procedures. Materials are presented to show that photochemical degradation rate depends on a combination of environmental factors such as UV radiation, temperature, humidity, rain, stress, and concentration of reactive pollutants. The potential effect of each parameter of degradation on data gathered is discussed based on known results from a long experience in testing. This