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Chapter 12. Semicrystalline Polyolefins - Narrow MWD and Long Chain Branching: Best of Both Worlds; Chapter 13. Structure and Properties of Single Site Constrained Geometry Ethylene-Propylene-Diene, EPDM, Elastomers; Chapter 14. Enhancing Polyethylene Performance with INSITE® Technology and Molecular Design; Part II: Properties; Chapter 15. Morphological Investigation on Very Low Density Ethylene-Octene Metallocene Copolymers Using SAXS
Chapter 16. Further Studies on Metallocene ULDPE/PP Blends Impact-Morphology Relationships
Chapter 17. Morphology of Low to Very Low Density Ethylene-Octene Metallocene Copolymers; Chapter 18. Morphological Studies of Metallocene Plastomer Modified Polypropylenes; Chapter 19. Comparison of the Crystallization Behavior of Ziegler-Natta and Metallocene Catalyzed Isotactic Polypropylene; Chapter 20. Explaining the Transient Behaviors of Syndiotactic Polypropylene
Chapter 21. Equilibrium Melting Temperatures of Ethylene Copolymers: An Appraisal of the Applicability of the Flory and Sanchez-Eby Approaches
Chapter 22. Melt Rheology and Processability of Ethylene/Styrene Interpolymers; Chapter 23. Characterizing the Melt Relaxation Behavior of Metallocene Polyethylenes; Chapter 24. Studies on the Thermal Stability and Processability of Syndiotactic Polystyrene
Chapter 25. The Performance of Primary and Secondary Antioxidants in Polyolefins Produced with Metallocene Catalysts. Part 1. Preliminary Studies Comparing m-Syndiotactic and Isotactic Polypropylenes

Sommario/riassunto

It has been estimated that within just ten years, over half of all polyolefins will be made by using metallocene catalysts. This groundbreaking volume from PDL brings together work from dozens of world-renowned experts on the subject. Fifty chapters of peer-reviewed content offer insights into applications in automotive components, food packaging, insulating films, non-woven fabrics and medical markets, among others.
