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Nota di contenuto	Polyolefin Characterization; Table of Contents; Preface; An Overview of Important Microstructural Distributions for Polyolefin Analysis; Development of an Automated Cross-Fractionation Apparatus (TREF-GPC) for a Full Characterization of the Bivariate Distribution of Polyolefins; Examples of Using 3D-GPC-TREF for Polyolefin Characterization; Separation and Characterization of Ethylene-Propylene Copolymers by High-Temperature Gradient HPLC Coupled to FTIR Spectroscopy; Molecular Topology Fractionation of Polystyrene Stars and Long Chain Branched Polyethylene Fractions Crystallization Elution Fractionation. A New Separation Process for Polyolefin ResinsBlock Index for Characterizing Olefin Block Copolymers; A Mathematical Model for the Kinetics of Crystallization in Crystaf; Characterization of Ethylene-1-Hexene Copolymers Made with

Supported Metallocene Catalysts: Influence of Support Type; Application of Fractionation Techniques to the Study of Olefin Polymerization Kinetics and Polymer Degradation; Synthesis and Characterization of Ethylene/Propylene Copolymers in the Whole Composition Range
Characterization of Polyethylene Nascent Powders Synthesized with TpTiCl(2)(OR) CatalystsCharacterization of LDPE grafted with Diethylmaleate by Gamma Radiation: Application of FTIR, GPC and SSA Techniques; Thermal Stability Evaluation of PA6/LLDPE/SEBS-g-DEM Blends; Using Solvents to Improve the Chemical Shift Differences Between Short-Chain Branch Methines and Long-Chain Branch Methines in Polyethylene Copolymers; The Effect of Feed Composition of Styrene and Acrylic Acid on the Properties of Modified Low Density Polyethylene

Sommario/riassunto

The First International Conference on Polyolefin Characterization (ICPC) held in Houston, Texas, in October 2006, was organized to fill the important industrial and academic need for a discussion forum on the characterization and fractionation techniques of polyolefins. These proceedings represent an excellent and up-to-date overview of recent advances in this important area, providing much information and facts that are not available elsewhere.The result is a collection of top quality contributions by experienced editors and international authors on such fields as separation and fractiona