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Pultrusion of Thermoset Resins Thermoplastic Pultrusion; Control of the Pultrusion Process; Properties of Pultruded Composites; Comparisons Between Pultruded Materials; References; CHAPTER 7. ELECTRON BEAM PROCESSING OF POLYMERS; Introduction; What is Electron Beam Processing?; General Effects of Electron Beam on Polymers; Use of Multifunctional Monomers; Antirad Compounds; Modification of Polymers by Electron Beam; Properties of Modified Polymers; Applications; References; CHAPTER 8. NEW DEVELOPMENTS IN REACTIVE PROCESSING OF THERMOPLASTIC COMPOSITES; Introduction Polyolefins and Fillers Used in Composites Preparation of Composites; Processing Behavior; Properties of Thermoplastic Composites; Use of Reactively Processed Composites; References; CHAPTER 9. APPLICATION OF POLYMER TECHNOLOGY TO METAL INJECTION MOLDING (MIM) PROCESSING; Introduction; Metal Injection Molding; Binder Formulation; Rheological Properties; Thermal Properties; Mechanical Properties; Morphology of MIM Feedstock; Conclusions; References; INDEX

Sommario/riassunto

This volume covers advanced polymer processing operations and is designed to provide a description of some of the latest industry developments for unique products and fabrication methods. Contributors for this volume are from both industry and academia from the international community. This book contains nine chapters covering advanced processing applications and technologies.
