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Nota di contenuto	Preface to the 10th Edition -- Foreword to the First Edition -- Preface to the First Edition -- Acknowledgments -- Contents -- 1 Understanding Plastic Materials -- 1.1 Basic Resins -- 1.1.1 Thermoplastics -- 1.1.2 Thermosets -- 1.2 Basic Structures -- 1.2.1 Crystalline -- 1.2.2 Amorphous -- 1.2.3 Liquid Crystal Polymer (LCP) -- 1.2.4 New Polymer Technologies -- 1.2.4.1 Inherently Conductive Polymers (ICP) -- 1.2.4.2 Electro-Optic Polymers (EOP) -- 1.2.4.3 Biopolymers -- 1.3 Homopolymer vs. Copolymer -- 1.4 Reinforcements -- 1.5 Fillers -- 1.5.1 Glass Spheres -- 1.5.1.1 Microsphere Properties -- 1.5.1.2 Compounding -- 1.5.1.3 Injection Molding -- 1.5.1.4 Mechanical Properties in Injection-Molded Thermoplastic Applications -- 1.6 Additives -- 1.7 Physical Properties -- 1.7.1 Density and Specific Gravity -- 1.7.2 Elasticity -- 1.7.2.1 Case History: Elasticity and Denier
Sommario/riassunto	For 30 years, Designing Plastic Parts for Assembly has been the definitive guide for both seasoned part designers and novices to the field, facilitating cost-effective design decisions and ensuring the longevity of plastic parts and products under use. This edition includes an extensive revision of the chapter on welding techniques.

