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Sommario/riassunto

Practical and affordable, thermoplastics account for more than 90 percent of all plastic materials manufactured. That so many varieties are now available, speaks to the idea that while there is no one perfect material, it is possible to find a material that fits for every application. However, selecting that right material is no small challenge. Answering the needs of manufacturers and product developers, *Thermoplastic Materials: Properties, Manufacturing Methods, and Applications* provides all the information required to confidently select the right thermoplastic for any application. Based on a course taught to engineering students, the book starts with an overview of the plastics industry, looking at the major companies involved and how their products influence society. It then discusses various topics essential to the understanding and manufacturing of thermoplastics before getting to the core of the book, more than 400 pages of consistently formatted entries, organized according to 19 thermoplastics families and groupings. Each chapter covers raw materials, manufacturing methods, properties, costs, and applications.
