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Autore	P. M Visakh
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	2.5 - Conclusions Acknowledgments; References; 3 - Reinforcement of Polyethylene Terephthalate via Addition of Carbon-Based Materials; 3.1 - Introduction; 3.2 - Carbon Nanotubes; 3.3 - Carbon Fibers; 3.4 - Graphene; 3.5 - Polyethylene Terephthalate/Carbon Nanotube Composites; 3.5.1 - Preparation; 3.5.2 - Properties; 3.5.2.1 - Mechanical Properties; 3.5.2.2 - Electrical Properties; 3.5.2.3 - Thermal Properties; 3.5.2.4 - Crystallization; 3.5.3 - Application; 3.6 - Polyethylene Terephthalate/Carbon Fiber Composites; 3.6.1 - Preparation; 3.6.2 - Properties; 3.6.2.1 - Mechanical Performance 3.6.2.2 - Thermal Properties 3.6.2.3 - Electrical Conductivity; 3.6.2.4 - Electromagnetic Interference Shielding; 3.6.2.5 - Durable Properties; 3.6.3 - Applications; 3.7 - Polyethylene Terephthalate/Graphene Composites; 3.7.1 - Preparation; 3.7.1.1 - In Situ Polymerization and In Situ Melt Polycondensation; 3.7.1.2 - Melt-Compounding Polymerization; 3.7.2 - Properties; 3.7.2.1 - Mechanical Properties; 3.7.2.2 - Electrical Properties; 3.7.2.3 - Thermal Properties; 3.7.2.4 - Crystallization; 3.7.3 - Application; 3.8 - Conclusions; References 4 - Polyethylene Terephthalate-Based Blends: Thermoplastic and Thermoset
Sommario/riassunto	Poly(Ethylene Terephthalate) (PET) is an industrially important material which is not treated specifically in any other book. Poly(Ethylene

Terephthalate) Based Blends, Composites and Nanocomposites fills this gap and systematically guides the reader through all aspects of PET and its blends, composites and nanocomposites. It covers theoretical fundamentals, nanocomposites preparation, modification techniques, structure-property relationships, characterisation of the different blends and composites, and material choice for specific applications. Consisting of contributions from experts

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