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Nota di contenuto	1. Recycling Silicone-Based Materials: An Overview of Methods -- By Buddhima Rupasinghe 51 -- 2. Evaluation of Recycled Carbon Black (r-CB) Based on Styrene Butadiene Rubber, Natural Rubber and Nitrile Rubber Compounds-- By Azemi bin Samsuri 36 -- 3. Composition and Structure Influence on Properties of Elastomeric Composites with Silicon Dioxide Fillers -- By Yury V. Kornev, Hammat H. Valiev, Yuliya N. Karnet, Alla A. Kornilova, Nikolay A. Semenov and Alexander N. Vlasov 19 -- 4. Sugar Cane Bagasse Ash: An Agricultural Residue with Potential Rubber Filler Applications-- By Ntalane S. Seroka, Raymond Taziwa and Lindiwe Khotseng 29 -- 5. Natural Rubber Latex - Origin, Specification and Application-- By Jacek Rafal Kedzia, Anna Maria Sitko, Jozef Tadeusz Haponiuk and Justyna Kucinska Lipka 79 -- 6. Characterization of Hydrogenated Amorphous Silicon Using Infrared Spectroscopy and Ellipsometry Measurements -- By Mounir Kassmi 14.
Sommario/riassunto	Rubber materials are widely used in both domestic and industrial applications. There are numerous types of rubber with important properties and characteristics. This book examines some of these types of rubber materials, presenting information on their mechanical, optical, acoustic, and kinetic properties and their characterization via spectroscopic techniques.