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Thermal and Mechanical Properties of Polymers

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Message from the Guest Editors

The thermal and mechanical properties of polymers can be tailored through various techniques, including copolymerization, cross-linking, blending with additives, and controlling the processing conditions during manufacturing. The thermal properties of bio-based polymers can vary significantly based on their chemical composition and molecular structure. Understanding these properties of bio-based, sustainable, and recycled polymers is crucial for designing polymer materials for specific applications, as different combinations of properties make polymers suitable for various industries, such as the automotive, packaging, aerospace, and electronics industries, etc.

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