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New Advances in Physical Properties of Block Copolymers

Guest Editor:

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Message from the Guest Editor

Block copolymers have attracted continuous and increasing interest due to the aspects of thermoplastic elastomers and heat-shrinkable ability. Such characteristic aspects of block copolymers have been utilized for the preparation of pressure-sensitive adhesion and heatshrinkable films. Nanoscaled structures due to the microphase separation of block copolymers can be utilized as a nanotemplate or a nanomold for polymer processing. and provide an opportunity for conducting the scientific research to reveal effects of the confined space on crystallization or nanostructure formation due to microphase separation. The nanotemplate has been considered to contribute to the tremendous improvement of memory density in electronic storage media. Furthermore, the surface of block coplymers forming a surface-induced nano-structure can be a promising candidate for a scaffold for the regenerative medical engineering. This Special Issue collects reviews and articles on recent developments in these topics, and focuses on new advances in the physical properties of block copolymer, which will contribute to the exploitation of new fields of block copolymer application.













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Message from the Editor-in-Chief

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