

Abstract Submitted
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Arrangement of the Microdomains of Block Copolymers Confined at Hemi-sphere Walls DU SIK BAE, JIN KON KIM, Pohang University of Science and Technology — The arrangement of the microdomains of polystyrene-*block*-poly(methyl methacrylate) copolymer (PS-*b*-PMMA) confined at hemi-sphere walls was investigated by scanning and transmission electron microscopy. The hemispherical constraint was introduced by using anodic aluminum oxide template.. The wall surface was modified by thin layers grafted by PS, PMMA, and PS-*ran*-PMMA copolymer. We observed interesting morphologies which have not been observed. The observed microdomain arrangement was compared with theoretical predictions.

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