

Abstract Submitted  
for the MAR13 Meeting of  
The American Physical Society

**The order-to-disorder transition behavior of PS-b-P2VP thin film system** HYUNGJU AHN, DU YEOL RYU, Yonsei University — We investigated the transition behavior such as the order-to-disorder transition (ODT) for symmetric poly(styrene)-block-poly(2-vinyl pyridine) (PS-b-P2VP) using SAXS and GISAXS for block copolymer bulks and films. The bulk transition temperature of PS-b-P2VP was significantly influenced by the interfacial interactions in thin films, leading to the different transition temperature. From these results, we will discuss about the interfacial interaction effects on the phase behaviors in bulks and thin films system of PS-b-P2VP.

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Date submitted: 07 Nov 2012

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