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**Solvent vapor induced morphology variation in thin films of PS-b-PLA copolymers** LAUREN FOOTE, MAXIMILIAN HERES, THOMAS KINSEY, JOSHUA SANGORO, Univ of Tennessee, Knoxville — Molecular dynamics in thin films of PS-b-PLA copolymers annealed by solvent vapor annealing is investigated using broadband dielectric spectroscopy, atomic force microscopy and ellipsometry. Impact of morphology changes on molecular dynamics are analyzed. The results of this study are discussed within the framework of current understanding of morphology control of copolymer thin films.

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