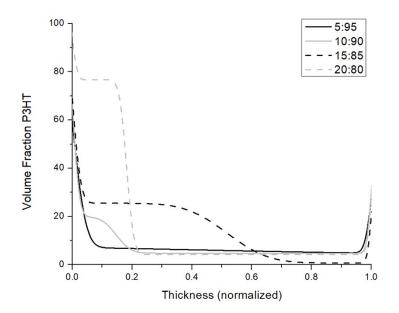
Supplementary Information

The interplay of thermodynamics and kinetics: Imparting hierarchical control over film formation of selfstratified blends

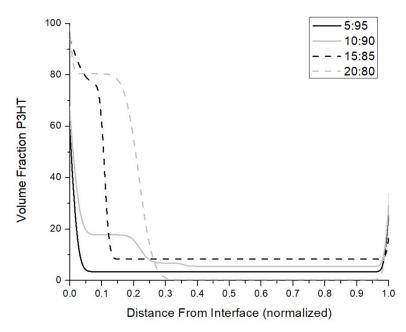
The interplay of thermodynamics and kinetics: Imparting hierarchical control over film formation of self-stratified blends

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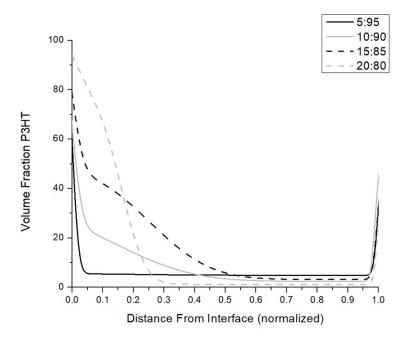
¹Department of Chemistry, University of Tennessee, Knoxville, Tennessee 37996 ²NIST Center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, Maryland 20899 ³University of Georgetown, Washington D.C. 20057 ⁴Chemical Sciences Division, Oak Ridge National Laboratory, Oak Ridge, Tennessee 37830 The volume fraction depth profiles for all of the blend compositions for the three largest dPMMA molecular weights prepared at 209.4 rad/s (Supplemental Figures S1-S3).



Supplemental Figure S1: P3HT volume fraction depth profiles of P3HT:131,500 g/mol dPMMA 5:95 (black solid line), 10:90 (grey solid line), 15:85 (black dashed line), 20:80 (grey dashed line) blends spin cast from chlorobenzene at 209.4 rad/s where 0 is the air interface and 1 is the SiO₂.



Supplemental Figure S2: P3HT volume fraction depth profiles of P3HT:316,000 g/mol dPMMA 5:95 (black solid line), 10:90 (grey solid line), 15:85 (black dashed line), 20:80 (grey dashed line) blends spin cast from chlorobenzene at 209.4 rad/s where 0 is the air interface and 1 is the SiO₂.



Supplemental Figure S3: P3HT volume fraction depth profiles of P3HT:520,000 g/mol dPMMA 5:95 (black solid line), 10:90 (grey solid line), 15:85 (black dashed line), 20:80 (grey dashed line) blends spin cast from chlorobenzene at 209.4 rad/s where 0 is the air interface and 1 is the SiO₂.