

Abstract Submitted  
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**Structural dynamics in polystyrene-b-polyisoprene copolymers with varying molecular architectures** THOMAS KINSEY, MAXIMILIAN HERES, JIMMY MAYS, ROBERTO BENSON, JOSHUA SANGORO, Univ of Tennessee, Knoxville — A series of polystyrene-polyisoprene block copolymers with different molecular architectures are investigated by broadband dielectric spectroscopy and temperature modulated differential scanning calorimetry. The influence of copolymer composition on segmental and normal mode relaxation dynamics is analyzed. These results are discussed with respect to the current understanding of copolymer dynamics and interactions.

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