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# Morphology and Magnetic Properties of Sulfonated Poly [Styrene-(Ethylene/Butylene)-Styrene]/ Iron Oxide Composites

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## Abstract

$\alpha$ -Fe<sub>2</sub>O<sub>3</sub> structures were initiated in the sulfonated polystyrene block domains of poly[styrene-(ethylene/butylene)-styrene] (SEBS) block copolymers *via* a domain-targeted *in-situ* chemical precipitation method. The crystal structure of these particles was determined using wide-angle X-ray diffraction and selected area electron diffraction

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