

Accepted Manuscript

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PII: S0032-3861(18)30918-2

DOI: [10.1016/j.polymer.2018.10.002](https://doi.org/10.1016/j.polymer.2018.10.002)

Reference: JPOL 20951

To appear in: *Polymer*

Received Date: 8 August 2018

Revised Date: 29 September 2018

Accepted Date: 3 October 2018

Please cite this article as: Li W, Nie H, Shao H, Ren H, He A, Synthesis, chain structures and phase morphologies of *trans*-1,4-poly(butadiene-co-isoprene) copolymers, *Polymer* (2018), doi: <https://doi.org/10.1016/j.polymer.2018.10.002>.

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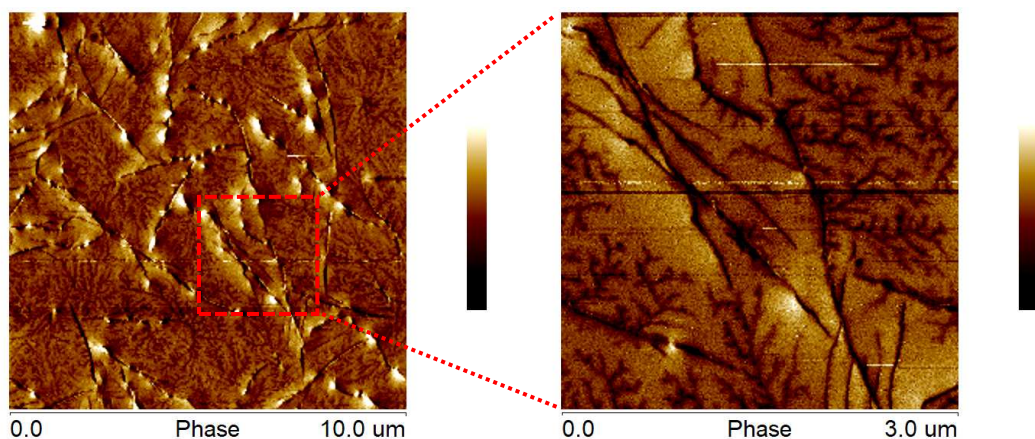


Figure 1. Atomic Force Microscope Images of High-*trans*-1,4 Butadiene-Isoprene Copolymers

High-*trans*-1,4 poly(butadiene-co-isoprene) copolymers (TBIR) with both crystalline TPI and TPB blocks are produced by the traditional $\text{TiCl}_4/\text{MgCl}_2\text{-Al}(\text{i-Bu})_3$ (Z-N) catalyst, and the unique phase morphologies with different crystalline lamellae structures were observed in the copolymers for the first time. Typical AFM images of TBIR present here the lamellae stack of TPB blocks and dendrimer-shaped lamellae of TPI blocks.

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