

Polyisoprene block copolymers as support for metallocene and post-metallocene catalytic systems toward ethylene polymerization

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Supporting Information

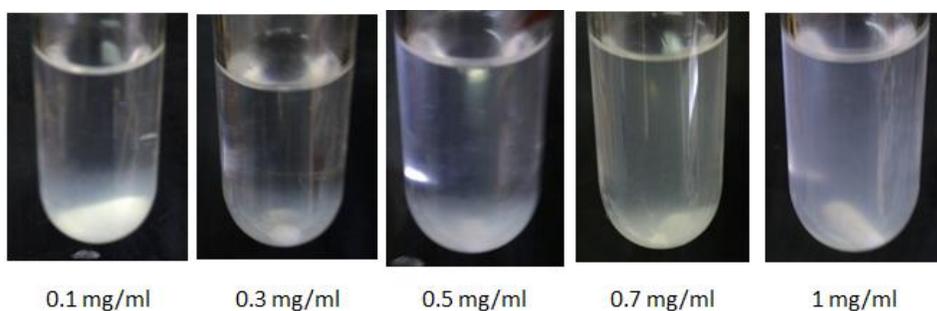


Fig. 1 Photography of PI₂₇₀-*b*-PMMA₅₄ dispersions with MAO. At 1 mg/ml, no more sedimentation is observed.

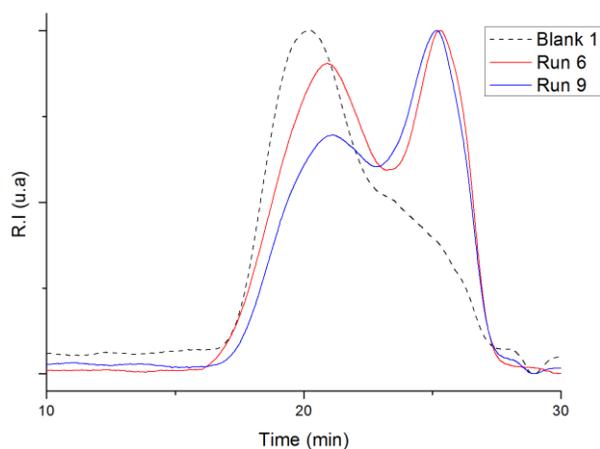


Fig. 2 SEC traces of polyethylenes produced with PI₇₁-*b*-PMMA₁₀ as a support and MeDIP(2,6*i*PrPh)₂FeCl₂ as a catalyst (detector: refractometer)

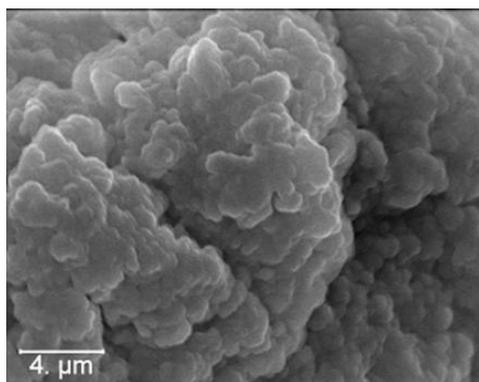


Fig. 3 SEM picture of PE prepared MeDIP(2,6iPrPh)₂FeCl₂ in the presence of PI₇₁-*b*-PMMA₁₀ (run 7)

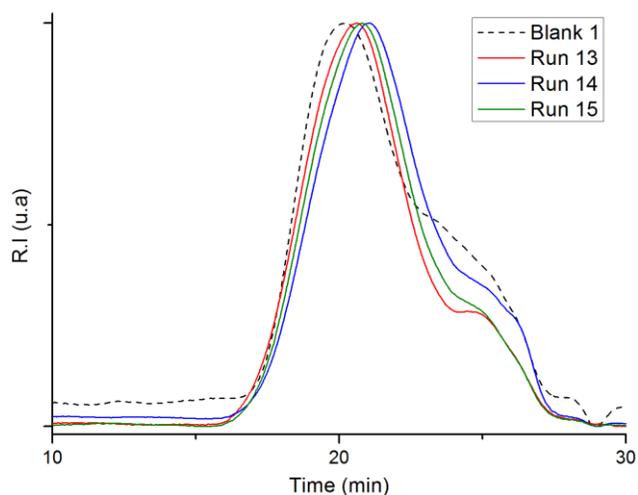


Fig. 4 SEC traces of polyethylenes produced with PI₇₁-*b*-PMMA₁₀ as a support and MeDIP(2,6iPrPh)₂FeCl₂ as a catalyst (detector: refractometer)

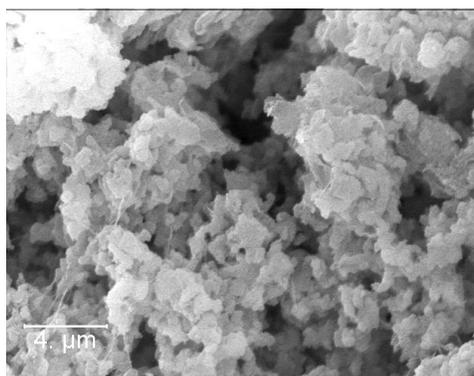


Fig. 5 SEM picture of PE prepared MeDIP(2,6iPrPh)₂FeCl₂ in the presence of PI₁₆-*b*-PMMA₄ (run 15)

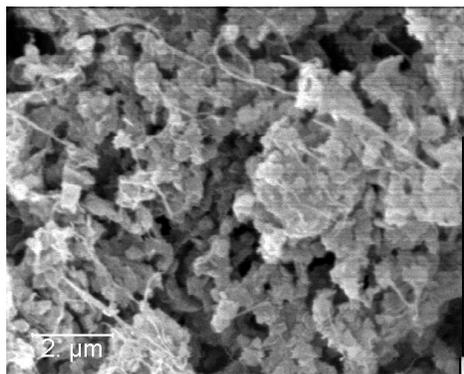


Fig. 6 SEM picture of PE prepared MeDIP(2,6iPrPh)₂FeCl₂ in the presence of PI₂₇-*b*-PEO₄ (run 10)

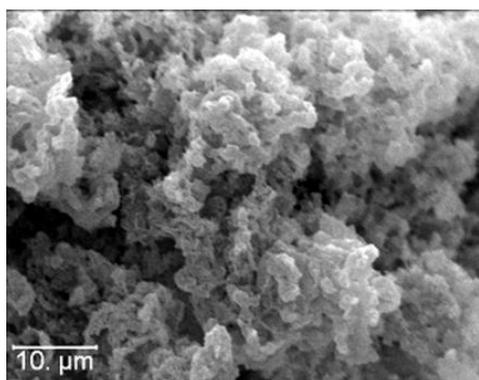


Fig. 7 SEM picture of PE prepared Ind₂ZrCl₂ in the presence of PI₂₇₀-*b*-PMMA₅₄ (run 5)

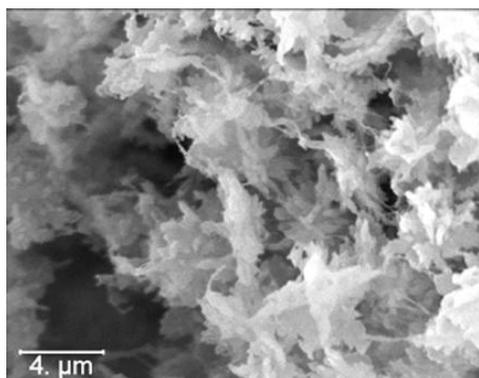


Fig. 8 SEM picture of PE prepared with Ind₂ZrCl₂ in the presence of PI₇₁-*b*-PMMA₁₀ (run 8)

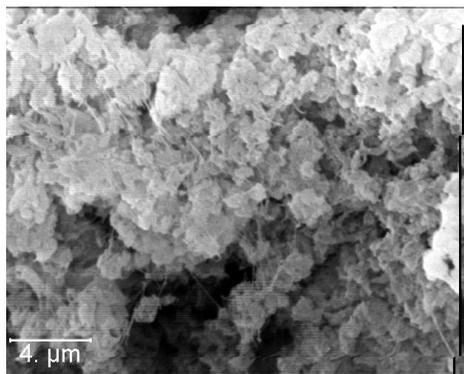


Fig. 9 SEM picture of PE prepared $\text{Ind}_2\text{ZrCl}_2$ in the presence of $\text{PI}_{27}\text{-}b\text{-PEO}_{50}$ (run 3)