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3.5 TGA thermogram for the decomposition of
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3.6 TGA thermogram for the decomposition of
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4.1 Kinetic curve of ethylene polymerization using
[Cr₃O(CICH₂COO)₆.3H₂O]NO₃.3H₂O/ AlEt₂Cl catalyst
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\(\circ\), \[\text{[Cr}_3\text{O(ClICH}_2\text{COO)}_6.3\text{H}_2\text{O}]\text{NO}_3.3\text{H}_2\text{O} \];
\(\blacktriangle\), \[\text{[Cr}_3\text{O(ClCH}_2\text{COO)}_6.3\text{H}_2\text{O}]\text{NO}_3.3\text{H}_2\text{O} \];
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5.5 Kinetic curves of ethylene-propylene copolymerization with
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5.9 \(A_{1376}/A_{1463}\) absorbance ratio versus mol % ethylene

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5.12 DSC second heating scan of ethylene-propylene copolymer containing 50.1% ethylene and 49.9% propylene

5.13 Plot of enthalpy of crystallization versus mol % ethylene

5.14 Comparison between DSC first heating scan of E-P copolymers prepared at different aging time: (a) 30 minutes; (b) 1 hour; (c) 2 hours

A1 Apparatus set-up for toluene distillation

A2 Vacuum oven in IPS lab

A3 Dry box for the preparation of catalyst and cocatalyst mixture

A4 Micro-balance

A5 Normal weighing balance

A6 Drying oven