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(54) Title: BIPHENYLPHENOL POLYMERIZATION CATALYSTS HAVING IMPROVED KINETIC INDUCTION TIMES

(57) Abstract: Embodiments are directed towards a use of a biphenylphenol polymerization catalyst to make a polymer in a gas-phase or slurry-phase polymerization process conducted in a single gas-phase or slurry-phase polymerization reactor, wherein the biphenylphenol polymerization catalyst is made from a biphenylphenol polymerization precatalyst of Formula I, and wherein the biphenylphenol polymerization catalyst has a kinetic induction time of greater than 40 seconds as determined by a least squares fit of a first-order exponential for a rate of increase of an instantaneous polymerization rate for the gas-phase or slurry-phase polymerization process.

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