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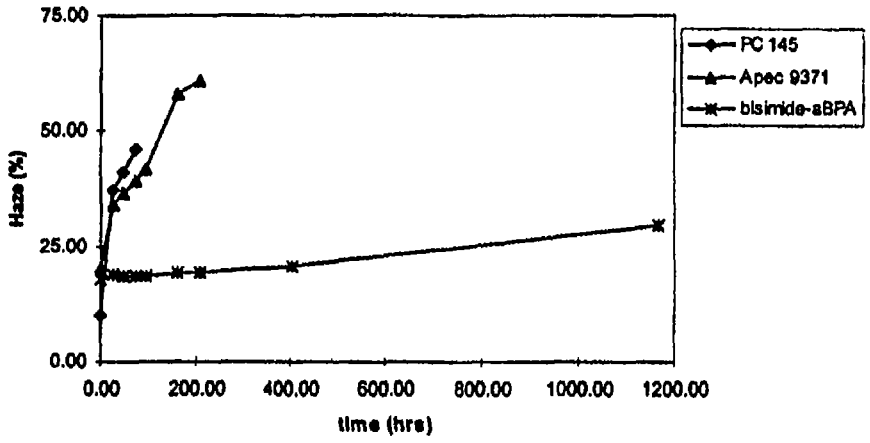
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(54) Title: SYNTHESIS OF PHENOLIC MONOMERS CONTAINING IMIDE OR DIIMIDE MOIETIES AND HIGH HEAT CARBONATE POLYMERS PREPARED THEREFROM



Haze increase of polycarbonate films in caustic at 60°C. Bisimide-aBPA = 14 mol%.

(57) Abstract

A process has been surprisingly discovered that can produce a high heat carbonate polymer (i.e., one with a Tg greater that 150 °C), without the drawbacks encountered in attempts to produce a high heat carbonate polymer. The process of the instant invention comprises the steps of: (1) reacting an aromatic amine with a dihydric phenol to prepare an aminophenol; (2) reacting an anhydride or dianhydride with the aminophenol to prepare a phenolic precursor; and (3) reacting the penolic precursor with a carbonate precursor to prepare a high heat carbonate polymer.