CHARACTERIZATION OF PARA-ASSYMETRIC BISPHENOL A POLYCARBONATE BY GEL PERMEATION CHROMATOGRAPHY

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ABSTRACT

para-Asymmetric bisphenol A polycarbonate (p-AsBPA PC) was synthesized by interfacial polycondensation of an asymmetric triBPA monomer. The monomer was prepared from commercially available BPA. Gel permeation chromatography was used for determination of molecular weight (Mw) and change in refractive index per change in sample concentration (dn/dc). dn/dc Values are of particular interest in polymer science as they must be calculated precisely so that accurate values for Mw and other parameters are derived. Differential scanning calorimetry was used to calculate glass transition temperature.