ABSTRACT

Polycarbonate Having Improved Thermal and Mechanical Properties and Reduced Coefficients of Thermal Expansion

The present invention relates to thermoplastic high-Tg polycarbonates and moulding materials which are distinguished by improved thermal properties and improved mechanical properties, in particular by reduced thermal expansion. The present invention furthermore relates to a process for the preparation of these polycarbonates. In particular, this invention relates to polycarbonates which the structural unit which derives from phthalimide of the formula (I) and polycarbonate compositions and moulding materials therefrom as well as a process for the preparation of these polycarbonates, and the use thereof, in particular as reflectors and display substrates.

Fig. 1