

LIQUID-CRYSTALLINE POLYMER AND MOLDED ARTICLE

ABSTRACT

To provide an easily-manufactured liquid-crystalline polymer having high thermal conductivity, as well as a molded article that is formed of the liquid crystalline polymer and has a property of being highly mechanical. A liquid-crystalline polymer is used that is formed by polymerizing monomers having an asymmetrical molecular structure, in which the enthalpy of fusion ΔH measured by way of DSC (Differential Scanning Calorimetry) is greater than or equal to 2.5 J/g (joules per gram) and less than or equal to 10 J/g, and the inherent viscosity (I.V.) is greater than or equal to 5 dl/g and less than or equal to 7 dl/g. It is preferable for the monomer having asymmetrical molecular structure to be at least one selected from a group consisting of 4-hydroxybenzoic acid (HBA), 6-hydroxy-2-naphthoic acid (HNA), N-acetyl-p-aminophenol (APAP), and 4-hydroxy-4'-biphenylcarboxylic acid (HBCA).

Fig. 1