

ABSTRACT OF THE DISCLOSURE**FOAMED AND EXPANDED BEADS OF POLYPROPYLENE RESIN
FOR MOLDING**

Disclosed herein are foamed and expanded beads of a polypropylene resin for molding, which comprise an uncrosslinked propylene random copolymer having a melting point of at least 140°C as a base resin, wherein the time required to attenuate an air pressure within the foamed beads applied by a pressurizing treatment with air from 1.2 kgf/cm²(G) to 0.8 kgf/cm²(G) under atmospheric pressure at 23°C is at least 80 minutes, and the CNI value of the foamed beads, which is defined by the following equation (1):

$$\text{CNI} = \log_{10}[\text{Pw} \times \text{Er} \div (2.24 \times \text{D}^3 \times \text{B})] \quad (1)$$

wherein Pw is an average weight (mg) per foamed bead, Er is a bulk expansion ratio (time) of the foamed beads, D is a cell diameter (mm) of the foamed beads, and B is a density of the base resin, is smaller than 3.80.

