

ABSTRACT

THERMOPLASTIC RESIN COMPOSITION, MOLDED OBJECT, AND PRODUCTION METHODS THEREFOR

Disclosed herein are a thermoplastic resin composition having high shear-rate dependence, a molded body, and first and second production methods. The thermoplastic resin composition contains a polyolefin resin, a polyamide resin, and a modified elastomer and shows non-Newtonian properties in a fluidized state. The molded body includes the thermoplastic resin composition. The first production method includes a step in which the thermoplastic resin composition in a fluidized state is molded at a shear rate of 80 sec^{-1} or more and a standby step in which the thermoplastic resin composition is on standby at a shear rate of 0 sec^{-1} or more but less than 80 sec^{-1} . The second production method includes a first molding step in which the thermoplastic resin composition is molded at a shear rate X_1 to obtain part of a molded body and a second molding step in which the thermoplastic resin composition is molded at a shear rate X_2 to obtain another part of the molded body, wherein an absolute value of a difference between the X_1 and the X_2 is 200 sec^{-1} or more.

(Fig. 3)