

TITLE OF INVENTION: DISPERSION DIAMETER ADJUSTMENT
METHOD AND THERMOPLASTIC RESIN COMPOSITION

ABSTRACT

Disclosed herein are a method for adjusting a dispersion diameter which is capable of controlling the dispersion diameter of a dispersed phase in a thermoplastic resin composition having a multiphase structure by a non-physical approach, if necessary, and a thermoplastic resin composition that can be obtained by using this method for adjusting a dispersion diameter. This method is a method for adjusting a dispersion diameter of a dispersed phase in a thermoplastic resin composition that is obtained by mixing a polyolefin resin, a polyamide resin, and a compatibilizer and has a continuous phase composed of the polyolefin resin and a dispersed phase dispersed in the continuous phase and composed of the polyamide resin characterized in that the compatibilizer is a polymer having a reactive group that reacts with the polyamide resin, and that an amount of the polymer to be mixed based on a total of the polyolefin resin and the polyamide resin is varied to adjust a dispersion diameter of the dispersed phase. This composition has 50 or more but 450 or less the dispersed phase per 10 micrometers square.

[Fig. 8]