

Resin Composition Having Improved Haze and Light Transmittance and Process for Preparing the Same

Abstract

The present invention relates to a resin composition having improved haze and light transmittance in the technical field of polymer materials and the process for preparing the same. The resin composition is characterized by comprising the following blended components: a. matrix resin; and b. crosslinked copolymer microspheres; wherein the crosslinked copolymer microspheres are alternating copolymers formed from monomers having anhydride, amide and/or imide groups, with olefin monomers and/or furan and its derivatives and optionally crosslinked with a crosslinking agent; preferably, the resin composition has a haze of not less than 92%, and a light transmittance of not less than 55%, preferably a haze of not less than 92%, and a light transmittance of not less than 59%, and more preferably a haze of not less than 95%, and a light transmittance of not less than 59%. The resin composition of the present invention can save a lot of energy while achieving excellent light diffusing effect, and at the same time reduces the material cost and can be easily industrially produced in mass.

NO FIGURE.