

Abstract

A polypropylene composition, a preparation method therefor, and an article made therefrom, the polypropylene composition comprising: (a) 70-95% by weight of a crystalline homo-polypropylene having a isotactic pentad fraction of 96% or more and forming a continuous matrix phase in the polypropylene composition; (b) 5-30% by weight of an ethylene-propylene elastic copolymer containing 20-35% by weight of an ethylene structure unit and 65-80% by weight of a propylene structure unit, and forming a dispersed rubber phase in the continuous matrix phase, such that the rubber phase can at least partially deform under an orientation force and form an orientation state structure, wherein the ratio of melt mass flow rate measured at 230°C and a 2.16 kg load of the crystalline homo-polypropylene and the polypropylene composition is 0.5-2.0. The polypropylene composition and article have a high gloss and good mechanical properties, and the preparation method is simple, low in cost and environmentally friendly; and the article can be used in electric appliances, homes, packaging, automobiles, toys, or the medical field.

(Fig. 1)