

Abstract

Polar Monomer Grafted Polypropylene Resin, Preparation Method therefor and Application thereof

The present invention relates to the field of polypropylene grafting modification, and provides a polar monomer grafted polypropylene resin, a preparation method therefor and an application thereof. The grafted polypropylene resin according to the present invention is prepared by a grafting reaction of a polar monomer capable of absorbing microwave so as to raise its temperature in a microwave field to more than 200°C and a solid polypropylene resin using microwave irradiation without adding an initiator. According to the present invention, the polar grafted polypropylene resin that does not contain initiator residues and does not have a significant reduction in molecular mass compared with a resin before grafting is obtained. The preparation process of the present invention is simple, easy to operate, simple in production device, low in costs, and easy for industrialization.

(Fig. 1)