

عنوان مقاله:

Reactive Functionalization /Blending of polypropylene/copoly(MMA/nBA) and characterization in terms of Morphology

محل انتشار:

دهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1391)

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خلاصه مقاله:

Polypropylene (PP) is the most attractive polyolefins because of its good mechanical properties and low price. The lack of reactive groups in the polypropylene ,its high crystallinity and low surface energy (due to the lack of chemical functionality) explain the incompatibility with other polymers[1-2]. The functionalization of polyolefin has been an interested issue in many research works [3]. A general method to change partially the chemistry/polarity of this polymer is free radical- initiated grafting of polar vinyl monomers onto the polymers [4]. In this work the hybrid of n-butyl acrylate and Methyl Methacrylate are copolymerised and grafted on and compatibilised with PP in the presence of an initiator through a reactive mixing process. in

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