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عنوان مقاله:

An investigation on morphological and rheological properties of polypropylene/nylon 66/TiO2 blends

محل انتشار:

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

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خلاصه مقاله:

In recent years, there has been intense interest in multiphase polymer blends due to the potential opportunities of combining the attractive features of each blend component.However, binary blends of immiscible polymers generally exhibit poor mechanical properties due to most homopolymerpairs are immiscible, they form phase-separated morphologies having poor mechanical properties, and such as in polypropylene/polyamide blends. The incorporation of nanometer scale reinforcement (e.g., layered silicates of clay and nanofiber) may dramatically improve selected properties of the related polymer.[1]

کلمات کلیدی:

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