

عنوان مقاله:

Possibilities to improve the water resistance and morphological properties of natural fiber reinforced plastic by fiber modification

محل انتشار:

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

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خلاصه مقاله:

Biodegradability of organic fibers has attracted the industry and has led to a major shift in choosing fibers types but the main limitations of using these fibers as reinforcements insuch matrices includes poor interfacial adhesion between polar fiber and nonpolar matrix and poor resistance to moistureabsorption which leads to debonding with age and make the use of natural fiber-reinforced composite less attractive [1-2]. This study is focused on chemical modification of wood fiberto tentatively form core-shell like structures. Then investigate its effects on water absorption and scanning electron microscopy (SEM) of wood fiber–HDPE composites

کلمات کلیدی:

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