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عنوان مقاله:

Low velocity impact properties of basalt/Jute fibers hybrid composites

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خلاصه مقاله:

In order to determine the effect of fiber arrangement in hybrid composites on their low velocity impactproperties, Jute fibers, basalt fibers, and epoxy resin were used to fabricate interlaminar hybrid composite in whichdifferent sequence types. Charpy impact tests evidenced that the highest and the lowest value of energy absorption wasrelated to the net basalt fibers and Jute fibers reinforced composites, respectively. The results of the testing showed thathybridization with basalt fibers promoted an increase of the adsorbed impact energy due to the superior mechanicalproperties of .basalt fibers when compared with Jute fibers

کلمات کلیدی:

Hybrid composites, Basalt fibers, Jute fibers, Impact behavior

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