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GREEN MATERIAL APPLICATIONS FOR FUTURE

The growing environmental problems, the problem of waste disposal and the depletion of non-renewable resources have stimulated the use of green materials compatible with the environment to reduce environmental impacts. Therefore, there is a need to design products by using natural resources. The focus of Green Materials relates to polymers and materials, with an emphasis on reducing the use of hazardous substances in the design, manufacture and application of products .Basalt is an environment friendly natural material. It is used for basalt fibers production. Basalt fiber is obtained from dark colored, fine grained solidified volcanic rock. The raw materials to be tested were Basalt (B) and Jute(J) .Sandwich composites structures were produced with different combinations ,i.e Bw/Bk/Bw,Bw/Jk/Bw and B/Jw/Jk/B/Jw. Evaluation of the mechanical properties of composites are studied . These hybrid materials can be used for automobiles application.

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