

ABSTRACT

DEVELOPMENT OF COMPOSITE USING CHOPPED E GLASS AND 360 GSM E GLASS

A hybrid composite is a combination of two or more different types of fibre in which one type of fibre balance the deficiency of another fibre.

Composites of various compositions with three different fibre orientation (0° , 30° and 40°) are fabricated using simple hand lay-up technique. It has been observed that there is a significant effect of fibre loading and orientation on the performance of jute/glass fibre reinforced epoxy based hybrid composites. The developed hybrid composites undergo different kinds of tests. The result shows hybrid composites having good strength and stiffness compared to natural hybrid composites. The chopped e glass and 360 gsm is used for the development of the composite material using resin and hardner .