

196. MECHANICAL PROPERTY ANALYSIS OF HYBRID FIBER COMPOSITES

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Natural fiber reinforced composites have attracted the attention of research community mainly because they are turning out to be an alternative to synthetic fiber. Various natural fibers such as jute, sisal, palm, coir and banana are used as reinforcements. In this paper, banana fibers and glass fibers have been used as reinforcement. The aim of this present study was to develop a polymer made up of banana/glass fiber reinforced vinyl ester composites and to study the effect of alkali treatment in the mechanical property of banana fiber.

Keywords : Glass fiber (20mm), Banana fiber (20mm), NaOH and Vinyl ester.

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