

INVESTIGATION OF MECHANICAL PROPERTIES OF COMPOSITE MATERIAL REINFORCED BY STAINLESS STEEL-FIBERS

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This A composite material is made from two or more constituent materials with significantly different physical or chemical properties that, when combined, produce a material with characteristics different from the individual components. The individual components remain separate and distinct within the finished structure. The new material may be preferred for many reasons. More recently, researchers have also begun to actively include sensing, actuation, computation and communication. In this work the mechanical properties of PVC , and their composite with Stainless Steel were evaluated with reference to ASTM D638-02 a. Composite material has shown an improvement of mechanical properties when compared with individual materials.