

Study of Tensile Strength and Hardness Property for PVC Reinforced with Fiber

Study the tensile strength and hardness of poly vinyl chloride as a matrix and subsidized fiber (short fiber glass - glass fibers are woven mat - fibers, nylon-6) and attended samples fractures different size. (21%-23%-25%-27%-29%). A comparison was made of the results of the tensile tests and hardness of materials composite as tests were conducted at room temperature. (23±2 c). Results from the volumetric fraction lead to increased resistance to tensile and hardness values. Results of the materials [pvc+f(w.r+N-6)] had its highest value of the tensile strength and material [pvc+ fg(w.r)], had its highest value of hardness.