



PharmTech

International Journal of PharmTech Research

CODEN (USA): IJPRIF, ISSN: 0974-4304, ISSN(Online): 2455-9563
Vol.9, No.11, pp 210-215, 2016

Study The Properties For Unsaturated Polyester (UP) With Addition Glass Fiber (GF) And Polyvinylchloride (PVC) Powder By Ultrasonic Technique

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Abstract:The mechanical properties of unsaturated polyester (UP) composite have been studied, by ultrasonic technique at 26 KHz. UP composite resin was used for binding glass fibers (GF) and polyvinylchloride (PVC) powder as the reinforcement materials. These properties are density, ultrasonic velocity, passion's ratio, shear and elasticity modulus. With the increasing of the concentration GF% in the composite the results shown that these properties increment expect elasticity modulus and passion ratio decreasing, passion's ratio is decrease even reach the percentage of 15% GF where no further decrease occurs with gaining GF ratio.

Key Word:CEFCC,TCID,CCL,CXCL.

Mohammed H. Al-Maamori *et al*/International Journal of PharmTech Research, 2016,9(11): 210-215.
