

PREPARATION OF COMPOSITE LAMINATE

GFRP (Glass + Epoxy) and NFRP (Natural Fiber + Epoxy) laminate can be prepared in our department. The details of the specimen preparation are given below in detail.

POLYMER COMPOSITE

COMPOSITE TYPE	FIBRE	TYPE	RESIN/MATRIX
Glass Fiber Polymer Composite(GFRP)	Glass Fiber	-UD -Bi directional -Woven -CSM - Angle Ply	-Epoxy -Polyester -General Purpose Resin(GP)
Natural Fiber polymer Composite	-Sisal -Hemp -Banana -Coir	-Random -UD -Angle Ply	-Epoxy -Polyester -General Purpose Resin(GP)

Cost of Glass Epoxy UD Composite of 300 x 300mm² - Rs. 1000

TESTING OF COMPOSITE LAMINATE

TEST COST:

SI.No.	NAME OF THE TEST	COST	REMARKS
1.	Tensile test – as per ASTM	Rs.450/test	Specimen cutting will be extra
2.	Flexural test- as per ASTM	Rs.300/test	Specimen cutting will be extra
3.	Impact test-as per ASTM	Rs.450/test	Specimen cutting will be extra