

Grade: GR-CFR

Manufacturer:

Graphtek LLC

Description:

Manufactured by pulling carbon fiber and vinylester through a die of the desired cross section to form a densely reinforced carbon composite to provide excellent tensile, compressive, and transverse strength.

PROPERTY	US VALUE		METRIC VALUE	
Resin	Vinylester			
Fiber Type	33 m.s.i. Carbon			
Composite Type	Unidirectional Orientation			
Tensile Strength	200000	psi	1379.0	MPa
Flexural Strength	230000	psi	1585.8	MPa
Flexural Modulus	17.8	Msi		GPa
Shear Strength	9500	psi	65.5	mpa
Fiber volume	62	%		
Density	.054	lb/in ³	1.49	gr/cm ³