

## Grade: GS-CFC70

Manufacturer: Graphtek LLC

PROPERTY	US VALUE		METRIC VALUE	
Fiber Alignment	2D random		2D random	
Density	0.061	lb/in <sup>3</sup>	1.7	gr/cm <sup>3</sup>
Flexural Strength	29000	psi	200	MPa
Compressive Strength	30450	psi	210	MPa
Interlaminar Shear	2465	psi	17	mpa
(RT - 1300C) II			1.3	10 <sup>-6</sup> /C
Coefficient Thermal Exp _I_			10	10 <sup>-6</sup> /C
Therm Conductivity II to plane	243	BTU-in/hr-ft <sup>2</sup> -°F	35	W/m-°K
Therm Conductivity -   to plane	83.3	BTU-in/hr-ft <sup>2</sup> -°F	12	W/m-°K
Specific Heat 20C			720	J/Kg-K
Electrical Resistivity (RT) -	787	ohm/inch	2000	ohm/cm
Charpy Impact Strength			20	KJ/m2
Shore Hardness			75	
Temperature	3632	°F	2000	°C