

Grade: GS-CFC400

Manufacturer: Graphtek LLC

PROPERTY	US VALUE		METRIC VALUE	
Fiber Alignment	2D random		2D random	
Density	0.052	lb/in ³	1.45	gr/cm ³
Specific Resistance	906	10 ⁻⁶ ohm-in	2300	10 ⁻⁶ ohm-cm
Flexural Strength	20300	psi	140	MPa
Flexural Modulus	5.1	Msi	35	GPa
Tensile Strength	13775	psi	95	MPa
Tensile_Modulus	6.5	Msi	45	MPa
Compressive Strength	13050	psi	90	MPa
Shore Hardness	80		80	
CTE (//)	0.4	10 ⁻⁶ - °K	0.4	10 ⁻⁶ - °K
CTE (--I--)	9.0	10 ⁻⁶ -°K	9.0	10 ⁻⁶ -°K
Therm Conductivity II to plane	160	BTU-in/hr-ft ² -°F	23	W/m-°K
Therm Conductivity - to plane	118	BTU-in/hr-ft ² -°F	17	W/m-°K