



Carbon Fiber Composite Sheet CC-16

	Grain Direction	Unit of Measure	Value
<i>Density</i>	N/A	g/cc	1.40-1.44
<i>Interlaminar Shear</i>	N/A	PSI	1360
<i>Compressive Strength</i>	//	PSI	14,100
<i>Thermal Conductivity</i>	//	W/mK	32
	⊥	W/mK	7
<i>Flexural Strength</i>	⊥	PSI	15,500
<i>Flexural Modulus</i>	⊥	KSI	5,700
<i>Tensile Strength</i>	//	PSI	12100
<i>Young's Modulus</i>	//	KSI	7500
<i>CTE (20-1000 C)</i>	//	$\times 10^{-6}/K$	0.5
	⊥	$\times 10^{-6}/K$	7
<i>Electrical Resistance (25 C)</i>	//	$\mu\Omega M$	35

This is a carbon-carbon composite material with a 12K weave PAN fiber construction laminated using a Patented process. The material is designed for use in high temperature vacuum or inert atmosphere furnace applications for structural and shielding applications up to 2600 C.

While information on this data sheet is typical, it may be subject to change and does not constitute a product warranty. All properties are typical and do not constitute specific values.

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