

Goodfellow Carbon/Epoxy Composite Sheet

Category : Polymer , Thermoset , Carbon Fiber/Thermoset Composite , Epoxy , Epoxy/Carbon Fiber Composite

Material Notes:

Carbon Fiber - Epoxy Resin Matrix Information provided by Goodfellow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-CarbonEpoxy-Composite-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	600 MPa	87000 psi	Longitudinal
	600 MPa	87000 psi	Transverse
Elongation at Break	0.80 %	0.80 %	Longitudinal Compressive Strain
	0.80 %	0.80 %	Transverse Compressive Strain
	0.85 %	0.85 %	Longitudinal - Tensile
	0.85 %	0.85 %	Transverse - Tensile
	1.8 %	1.8 %	Shear - In Plane
Modulus of Elasticity	70.0 GPa	10200 ksi	Transverse
Tensile Modulus	70.0 GPa	10200 ksi	Longitudinal
Compressive Strength	570 MPa	82700 psi	Longitudinal
	570 MPa	82700 psi	Transverse
Shear Modulus	5.00 GPa	725 ksi	In Plane
Shear Strength	90.0 MPa	13100 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	2.10 µm/m-°C	1.17 µin/in-°F	Longitudinal
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	2.10 µm/m-°C	1.17 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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