

Hexcel® HexPly® F522 Epoxy Resin, F3C584 Carbon Fabric

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

Material Notes:

Hexcel designation: F3C584-42"-F522; Fiber: Toho® G30/500-3K Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F522-Epoxy-Resin-F3C584-Carbon-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	820 MPa	119000 psi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	72.4 GPa	10500 ksi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	655 MPa	95000 psi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	66.9 GPa	9700 ksi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	63.4 MPa	9200 psi	Short Beam, Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Dry Resin Content (%)	37-41	Prepreg
Fiber Volume (%)	0.038	Laminate
Flow (%)	11-23	
Wet Resin Content (%)	52	Laminate

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