

Hexcel® HexPly® F522 Epoxy Resin, F3C433 Carbon Fabric

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

Material Notes:

Hexcel designation: F3C433-42"-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-F3C433-Carbon-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	903 MPa	131000 psi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	69.6 GPa	10100 ksi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	475 MPa	68900 psi	Wet (14 ± 1/2 days of water immersion at 160 ± 5°F (71 ± 3°C))
	@Temperature 71.0 °C	@Temperature 160 °F	
	655 MPa	95000 psi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	26.2 MPa	3800 psi	Short Beam, Wet (14 ± 1/2 days of water immersion at 160 ± 5°F (71 ± 3°C))
	@Temperature 71.0 °C	@Temperature 160 °F	
	64.8 MPa	9400 psi	Short Beam, Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Dry Resin Content (%)	37-41	Prepreg
Fiber Volume (%)	0.028	Laminate
Flow (%)	11-23	
Wet Resin Content (%)	52	Laminate

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China