

Hexcel® HexPly® F155 Epoxy Resin, K120 Kevlar Fabric

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

Fiber: Kev. 49 195 Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F155-Epoxy-Resin-K120-Kevlar-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	4.137 MPa	600.0 psi	Flatwise TS
	@Temperature 71.0 °C	@Temperature 160 °F	
	5.516 MPa	800.0 psi	Flatwise TS
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	400 MPa	58000 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	427 MPa	61900 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	25.0 GPa	3630 ksi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	26.7 GPa	3870 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	165 MPa	23900 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	221 MPa	32100 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	21.0 GPa	3050 ksi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	26.9 GPa	3900 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.011	Laminate
Dry Resin Content (%)	54-60	Prepreg

Fiber Volume (%) Descriptive Properties		42 Value	Laminate Comments
Flow (%)		14-26	

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