

Hexcel® HexPly® F155 Epoxy Resin, K285 Kevlar Fabric

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F155-Epoxy-Resin-K285-Kevlar-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	4.413 MPa	640.1 psi	Flatwise TS
	@Temperature 71.0 °C	@Temperature 160 °F	
	5.164 MPa	749.0 psi	Flatwise TS
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	547 MPa	79300 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	571 MPa	82800 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	26.9 GPa	3900 ksi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	30.3 GPa	4390 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	195 MPa	28300 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	261 MPa	37900 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	23.4 GPa	3390 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	23.4 GPa	3390 ksi	
	@Temperature 71.0 °C	@Temperature 160 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.0025	Laminate
Dry Resin Content (%)	49-55	Prepreg

Fiber Volume (%) Descriptive Properties	46 Value	Laminate Comments
Flow (%)	14-26	

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