

Hexcel® HexPly® F263 Epoxy Resin, 120 Glass Fabric

Category : Polymer , Thermoset , Epoxy , Epoxy/Glass SMC

Material Notes:

Hexcel designation: 120-38"-F263; Fiber: 450-1/2
Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F263-Epoxy-Resin-120-Glass-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	263 MPa	38100 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	368 MPa	53400 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	20.3 GPa	2940 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	23.9 GPa	3470 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	345 MPa	50000 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	474 MPa	68700 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	21.4 GPa	3100 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	23.5 GPa	3410 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	21.0 MPa	3050 psi	Interlaminar
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	25.0 MPa	3630 psi	Interlaminar
	@Temperature 177 °C	@Temperature 351 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.011	Laminate
Dry Resin Content (%)	42-48	Prepreg

Fiber Volume (%) Descriptive Properties	38 Value	Laminate Comments
Flow (%)	15-30	

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