

Hexcel® HexPly® F263 Epoxy Resin, 7781 Glass Fabric

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

Material Notes:

Hexcel designation: 7781-38"-F263; Fiber: 75-1/0 Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F263-Epoxy-Resin-7781-Glass-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	385 MPa	55800 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	461 MPa	66900 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	23.9 GPa	3470 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	29.7 GPa	4310 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	353 MPa	51200 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	491 MPa	71200 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	26.4 GPa	3830 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	29.7 GPa	4310 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	18.0 MPa	2610 psi	Interlaminar
	@Temperature 177 °C	@Temperature 351 °F	
	23.0 MPa	3340 psi	Interlaminar
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.025	Laminate
Dry Resin Content (%)	36-40	Prepreg

Fiber Volume (%) Descriptive Properties	45 Value	Laminate Comments
Flow (%)	10-30	

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