

Hexcel® HexPly® F522 Epoxy Resin, 7781 Glass Fabric

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

Material Notes:

Hexcel designation: 7781-38"-F522; Fiber: 75-1/0 Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F522-Epoxy-Resin-7781-Glass-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	379 MPa	55000 psi	Dry
	@Temperature 71.0 °C	@Temperature 160 °F	
	448 MPa	65000 psi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	22.0 GPa	3190 ksi	Dry
	@Temperature 71.0 °C	@Temperature 160 °F	
	22.4 GPa	3250 ksi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Flexural Yield Strength	586 MPa	85000 psi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	276 MPa	40000 psi	Wet (14 ± 1/2 days of water immersion at 160 ± 5°F (71 ± 3°C))
	@Temperature 71.0 °C	@Temperature 160 °F	
	483 MPa	70100 psi	Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	58.6 MPa	8500 psi	Short Beam, Dry
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Fiber Volume (%)	0.025	

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