

Hexcel® HexPly® F155 Epoxy Resin, 220 Glass Fabric

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

Material Notes:

Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F155-Epoxy-Resin-220-Glass-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	4.544 MPa	659.1 psi	Flatwise TS
	@Temperature 93.0 °C	@Temperature 199 °F	
	5.509 MPa	799.0 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	Flatwise TS
	6.026 MPa	874.0 psi	Flatwise TS
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	330 MPa	47900 psi	
	@Temperature 93.0 °C	@Temperature 199 °F	
	363 MPa	52600 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	416 MPa	60300 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	17.9 GPa	2600 ksi	
	@Temperature 93.0 °C	@Temperature 199 °F	
	18.6 GPa	2700 ksi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	20.7 GPa	3000 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	341 MPa	49500 psi	
	@Temperature 93.0 °C	@Temperature 199 °F	
	376 MPa	54500 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	496 MPa	71900 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Mechanical Properties Compressive Modulus	18.6 GPa Metric	2700 ksi English	Comments
	@Temperature 93.0 °C	@Temperature 199 °F	
	20.7 GPa	3000 ksi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	22.1 GPa	3210 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	63.0 MPa	9140 psi	Compression interlaminar; RT
	43.0 MPa	6240 psi	Compression interlaminar
	@Temperature 93.0 °C	@Temperature 199 °F	
	53.0 MPa	7690 psi	Compression interlaminar
	@Temperature 71.0 °C	@Temperature 160 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China