

## Hexcel® HexPly® F155 Epoxy Resin, 120 Glass Fabric

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

### Material Notes:

Hexcel designation: 120-38"-F155; Fiber: 450-1/2 Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexPly-F155-Epoxy-Resin-120-Glass-Fabric.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-F155-Epoxy-Resin-120-Glass-Fabric.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	4.523 MPa	656.0 psi	Flatwise TS
	@Temperature 93.0 °C	@Temperature 199 °F	
	5.833 MPa	846.0 psi	Flatwise TS
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	319 MPa	46300 psi	
	@Temperature 93.0 °C	@Temperature 199 °F	
	393 MPa	57000 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	17.9 GPa	2600 ksi	
	@Temperature 93.0 °C	@Temperature 199 °F	
	20.7 GPa	3000 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	302 MPa	43800 psi	
	@Temperature 93.0 °C	@Temperature 199 °F	
	444 MPa	64400 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	19.3 GPa	2800 ksi	
	@Temperature 93.0 °C	@Temperature 199 °F	
	20.7 GPa	3000 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	61.0 MPa	8850 psi	Compression interlaminar; RT
	47.0 MPa	6820 psi	
	@Temperature 93.0 °C	@Temperature 199 °F	Compression interlaminar

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.012	Laminate
Dry Resin Content (%)	42-48	Prepreg
Fiber Volume (%)	38	Laminate
Flow (%)	8-20	

## Contact Songhan Plastic Technology Co.,Ltd.

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