

## Hexcel® F161 Epoxy Resin, 1581 Glass Fabric

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

**Material Notes:**

Hexcel designation: 1581-38"-F161; Fiber: 150-1/2Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-F161-Epoxy-Resin-1581-Glass-Fabric.php](http://www.lookpolymers.com/polymer_Hexcel-F161-Epoxy-Resin-1581-Glass-Fabric.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	365 MPa	52900 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	424 MPa	61500 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	20.4 GPa	2960 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	27.2 GPa	3950 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	276 MPa	40000 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	456 MPa	66100 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	22.8 GPa	3310 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	27.4 GPa	3970 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.028	Laminate
Dry Resin Content (%)	33-39	Prepreg
Fiber Volume (%)	43.4	Laminate
Flow (%)	15-25	

**Contact Songhan Plastic Technology Co.,Ltd.**

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