

Hexcel® HexPly® F515 Epoxy Resin, 7781 Glass Fabric

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

Material Notes:

Hexcel designation: 7781-38"-F515; Fiber 75-1/0 Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F515-Epoxy-Resin-7781-Glass-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	414 MPa	60000 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	483 MPa	70100 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	27.6 GPa	4000 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	30.3 GPa	4390 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Yield Strength	483 MPa	70100 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	621 MPa	90100 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	22.1 GPa	3210 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	23.4 GPa	3390 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Yield Strength	276 MPa	40000 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	414 MPa	60000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Modulus	21.4 GPa	3100 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	27.6 GPa	4000 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	24.8 MPa Metric	3600 psi English	Comments
Shear Strength	@Temperature 23.0 °C	@Temperature 73.4 °F	

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