

Hexcel® HexPly® F515 Epoxy Resin, BXX120 Carbon Tape

Category : Polymer , Thermoset , Carbon Fiber/Thermoset Composite , Epoxy , Epoxy/Carbon Fiber Composite

Material Notes:

Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F515-Epoxy-Resin-BXX120-Carbon-Tape.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	1572 MPa	228000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1779 MPa	258000 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
Tensile Modulus	90.3 GPa	13100 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	93.8 GPa	13600 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
Flexural Yield Strength	1172 MPa	170000 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	1372 MPa	199000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	97.9 GPa	14200 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	100 GPa	14500 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Yield Strength	1103 MPa	160000 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	1248 MPa	181000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Modulus	90.3 GPa	13100 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	92.4 GPa	13400 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties Shear Strength	72.4 MPa Metric	10500 psi English	Comments Short Beam, 1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	86.9 MPa	12600 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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