

Hexcel® HexPly® F515 Epoxy Resin, T2C120 Carbon Tape

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

Material Notes:

Hexcel designation: TXX120-12"-F515; Fiber: Toho® G30/500 Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F515-Epoxy-Resin-T2C120-Carbon-Tape.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	1931 MPa	280100 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1937 MPa	280900 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
Tensile Modulus	103.4 GPa	15000 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	110.3 GPa	16000 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
Flexural Yield Strength	1338 MPa	194100 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	1351 MPa	195900 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	108.3 GPa	15710 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	117.2 GPa	17000 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
Compressive Yield Strength	1076 MPa	156100 psi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	1158 MPa	168000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Modulus	93.1 GPa	13500 ksi	1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	106.9 GPa	15500 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties Shear Strength	75.8 MPa Metric	11000 psi English	Comments Short Beam, 1/2 hr
	@Temperature 71.0 °C	@Temperature 160 °F	
	92.4 MPa	13400 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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