

Hexcel® HexPly® F263 Epoxy Resin, T3T145 Carbon Tape

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

Material Notes:

Hexcel designation: T_145-12"-F263; Various fibers
Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F263-Epoxy-Resin-T3T145-Carbon-Tape.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	1260 MPa	183000 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	1362 MPa	197500 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	125.7 GPa	18230 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	132.3 GPa	19190 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	1154 MPa	167400 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	1333 MPa	193300 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	68.0 MPa	9860 psi	Short Beam
	@Temperature 177 °C	@Temperature 351 °F	
	72.0 MPa	10400 psi	Short Beam
	@Temperature 132 °C	@Temperature 270 °F	
	111 MPa	16100 psi	Short Beam
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	124 MPa	18000 psi	Short Beam
	@Temperature -54.0 °C	@Temperature -65.2 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.15	Laminate
Dry Resin Content (%)	35-39	Prepreg

Fiber Volume (%) Descriptive Properties		55 Value	Laminate Comments
Flow (%)		11-24	

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