

Hexcel® HexPly® F263 Epoxy Resin, F3T584 Carbon Fabric

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

Material Notes:

Hexcel designation: F3T584-42"-F263; Fiber: T300 Celion
Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F263-Epoxy-Resin-F3T584-Carbon-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	579 MPa	84000 psi	
	@Temperature 177 °C	@Temperature 351 °F	
	610 MPa	88500 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	60.5 GPa	8770 ksi	
	@Temperature 177 °C	@Temperature 351 °F	
	63.7 GPa	9240 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	585 MPa	84800 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	666 MPa	96600 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Shear Strength	47.0 MPa	6820 psi	Short Beam
	@Temperature 177 °C	@Temperature 351 °F	
	48.0 MPa	6960 psi	Short Beam
	@Temperature 132 °C	@Temperature 270 °F	
	65.0 MPa	9430 psi	Short Beam
	@Temperature -54.0 °C	@Temperature -65.2 °F	
	72.0 MPa	10400 psi	Short Beam
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.034	Laminate
Dry Resin Content (%)	35-39	Prepreg

Fiber Volume (%) Descriptive Properties	62 Value	Laminate Comments
Flow (%)	9-22	

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