

Hexcel® HexPly® F155 Epoxy Resin, W3T282 Carbon Fabric

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

Material Notes:

Hexcel designation: W3T282-42"-F155; Fiber: T300 Toho® Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F155-Epoxy-Resin-W3T282-Carbon-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	6.481 MPa	940.0 psi	Flatwise TS
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	848 MPa	123000 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Tensile Modulus	58.0 GPa	8410 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Yield Strength	496 MPa	71900 psi	
	@Temperature 71.0 °C	@Temperature 160 °F	
	904 MPa	131000 psi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compressive Modulus	57.2 GPa	8300 ksi	
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.022	Laminate
Dry Resin Content (%)	40-44	Prepreg
Fiber Volume (%)	50	Laminate
Flow (%)	4-16	

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