

Hexcel® HexPly® ES70 120°C Curing Epoxy Matrix, High Strength 6k carbon Balanced fabric 285 g/m2

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-ES70-120C-Curing-Epoxy-Matrix-High-Strength-6k-carbon-Balanced-fabric-285-gm2.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	950 MPa	138000 psi	0°
Tensile Modulus	70.0 GPa	10200 ksi	0°
Flexural Yield Strength	850 MPa	123000 psi	0°
Flexural Modulus	60.0 GPa	8700 ksi	0°
Compressive Yield Strength	720 MPa	104000 psi	0°
Shear Strength	70.0 MPa	10200 psi	0°, Short Beam

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -18.0 °C	@Temperature -0.400 °F	

Descriptive Properties	Value	Comments
Fiber Volume (%)	60	
Tack Life (days)	30	

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