

Hexcel® HexPly® 954-2A Curing Cyanate Resin, S-2 Glass Fiber Reinforced 8 Harness Satin Fabric

Category : Polymer , Thermoset , Epoxy

Material Notes:

Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-954-2A-Curing-Cyanate-Resin-S-2-Glass-Fiber-Reinforced-8-Harness-Satin-Fabric.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	627 MPa	90900 psi	0°
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Yield	2.8 %	2.8 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	28.3 GPa	4100 ksi	0°
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Yield Strength	848 MPa	123000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	28.3 GPa	4100 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Yield Strength	317 MPa	46000 psi	0°, Wet
	@Temperature 163 °C	@Temperature 325 °F	
	345 MPa	50000 psi	0°, Wet
	@Temperature 149 °C	@Temperature 300 °F	
	365 MPa	52900 psi	0°
	@Temperature 204 °C	@Temperature 399 °F	
	379 MPa	55000 psi	0°
	@Temperature 191 °C	@Temperature 376 °F	
	427 MPa	61900 psi	0°
	@Temperature 177 °C	@Temperature 351 °F	
	434 MPa	62900 psi	0°
	@Temperature 163 °C	@Temperature 325 °F	
	586 MPa	85000 psi	

Mechanical Properties	Metric @ Temperature 23.0 °C	English @ Temperature 73.4 °F	Comments
Compressive Modulus	29.0 GPa	4210 ksi	0°
	@Temperature 191 °C	@Temperature 376 °F	
	29.6 GPa	4290 ksi	0°
	@Temperature 163 °C	@Temperature 325 °F	
	29.6 GPa	4290 ksi	0°
	@Temperature 204 °C	@Temperature 399 °F	
	29.6 GPa	4290 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	31.0 GPa	4500 ksi	0°
	@Temperature 177 °C	@Temperature 351 °F	
Shear Strength	35.2 MPa	5110 psi	Short Beam, Wet
	@Temperature 163 °C	@Temperature 325 °F	
	37.2 MPa	5400 psi	Short Beam
	@Temperature 204 °C	@Temperature 399 °F	
	37.2 MPa	5400 psi	Short Beam, Wet
	@Temperature 149 °C	@Temperature 300 °F	
	41.4 MPa	6000 psi	Short Beam
	@Temperature 177 °C	@Temperature 351 °F	
	43.4 MPa	6290 psi	Short Beam
	@Temperature 191 °C	@Temperature 376 °F	
	52.4 MPa	7600 psi	Short Beam
	@Temperature 163 °C	@Temperature 325 °F	
	75.2 MPa	10900 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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