

Hexcel® HexPly® EF02 Epoxy Curing System after THR 120 EF01 S50 37% Curing Cycle

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-EF02-Epoxy-Curing-System-after-THR-120-EF01-S50-37-Curing-Cycle.php

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	1280.9 MPa	185780 psi	Flexure Long; 30 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	1381.0 MPa	200290 psi	Flexure Long; 15 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
Flexural Modulus	1531.0 MPa	222060 psi	Flexure Long; 15 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	1611.1 MPa	233670 psi	Flexure Long; 30 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Flexural Modulus	91.08 GPa	13210 ksi	Flexure Long; 30 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	93.1 GPa	13500 ksi	Flexure Long; 15 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Shear Strength	93.1 GPa	13500 ksi	Flexure Long; 30 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	93.1 GPa	13500 ksi	Flexure Long; 15 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
Shear Strength	57.0 MPa	8270 psi	ILSS Weft; 30 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
	60.1 MPa	8710 psi	ILSS Weft; 15 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
Shear Strength	78.05 MPa	11320 psi	ILSS Long; 30 min @ 250°F
	@Temperature 22.8 °C	@Temperature 73.0 °F	
Shear Strength	80.05 MPa	11610 psi	ILSS Long; 15 min @ 250°F

Mechanical Properties	@Temperature 22.8 °C Metric	@Temperature 73.0 °F English	Comments
Processing Properties	Metric	English	Comments
Shelf Life	18.0 Month	18.0 Month	
	@Temperature -17.7 °C	@Temperature 0.140 °F	

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