

Hexcel® HexPly® EF01 Epoxy Curing System after 1031 2 1000 970 EF01 31% Cure 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-EF01-Epoxy-Curing-System-after-1031-2-1000-970-EF01-31-Cure-Cycle.php

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	1050.7 MPa	152390 psi	Flexure Weft; 13 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	1060.8 MPa	153850 psi	Flexure Weft; 15 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	1080.8 MPa	156750 psi	Flexure Weft; 10 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	1150.8 MPa	166910 psi	Flexure Weft; 10 min @ 250°F; prEN 2563
@Temperature 22.8 °C	@Temperature 73.0 °F		
1150.8 MPa	166910 psi	Flexure Weft; 15 min @ 250°F; prEN 2563	
@Temperature 22.8 °C	@Temperature 73.0 °F		
Flexural Modulus	1150.8 MPa	166910 psi	Flexure Weft; 13 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	39.0 GPa	5660 ksi	Flexure Weft; 10 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	39.0 GPa	5660 ksi	Flexure Weft; 15 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	39.0 GPa	5660 ksi	Flexure Weft; 13 min @ 250°F; prEN 2563
@Temperature 22.8 °C	@Temperature 73.0 °F		
39.0 GPa	5660 ksi	Flexure Weft; 15 min @ 250°F; prEN 2563	
@Temperature 50.0 °C	@Temperature 122 °F		
	40.1 GPa	5810 ksi	Flexure Weft; 10 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	40.1 GPa	5810 ksi	Flexure Weft; 13 min @ 250°F; prEN

Mechanical Properties	@Temperature 50.0 °C Metric	@Temperature 122 °F English	2563 Comments
Shear Strength	68.1 MPa	9870 psi	ILSS Weft; 15 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
	68.1 MPa	9870 psi	ILSS Weft; 30 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
	69.02 MPa	10010 psi	ILSS Weft; 10 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
	80.0 MPa	11600 psi	ILSS Weft; 10 min @ 250°F
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	80.0 MPa	11600 psi	ILSS Weft; 15 min @ 250°F
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	80.0 MPa	11600 psi	ILSS Weft; 30 min @ 250°F
	@Temperature 22.8 °C	@Temperature 73.0 °F	

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