

Hexcel® HexPly® EF01 Epoxy Curing System after THR 120 EF01 S25 38% 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-EF01-Epoxy-Curing-System-after-THR-120-EF01-S25-38-Curing-Cycle.php

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	1320.9 MPa	191580 psi	Flexure Long; 15 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	1351.0 MPa	195940 psi	Flexure Long; 30 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
	1381.0 MPa	200290 psi	Flexure Long; 10 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
1551.0 MPa	224960 psi	Flexure Long; 15 min @ 250°F; prEN 2563	
@Temperature 22.8 °C	@Temperature 73.0 °F		
Flexural Modulus	1561.1 MPa	226420 psi	Flexure Long; 30 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	1601.1 MPa	232220 psi	Flexure Long; 10 min @ 250°F; prEN 2563
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	106.0 GPa	15380 ksi	Flexure Long; 15 min @ 250°F; prEN 2563
	@Temperature 50.0 °C	@Temperature 122 °F	
108.0 GPa	15670 ksi	Flexure Long; 15 min @ 250°F; prEN 2563	
@Temperature 22.8 °C	@Temperature 73.0 °F		
108.0 GPa	15670 ksi	Flexure Long; 30 min @ 250°F; prEN 2563	
@Temperature 22.8 °C	@Temperature 73.0 °F		
108.0 GPa	15670 ksi	Flexure Long; 30 min @ 250°F; prEN 2563	
@Temperature 50.0 °C	@Temperature 122 °F		
109.1 GPa	15820 ksi	Flexure Long; 10 min @ 250°F; prEN 2563	
@Temperature 22.8 °C	@Temperature 73.0 °F		
109.1 GPa	15820 ksi	Flexure Long; 10 min @ 250°F; prEN	

Mechanical Properties	@Temperature 50.0 °C Metric	@Temperature 122 °F English	2563 Comments
Shear Strength	71.0 MPa	10300 psi	ILSS Weft; 10 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
	71.0 MPa	10300 psi	ILSS Weft; 15 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
	71.0 MPa	10300 psi	ILSS Weft; 30 min @ 250°F
	@Temperature 50.0 °C	@Temperature 122 °F	
	86.05 MPa	12480 psi	ILSS Long; 10 min @ 250°F
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	86.05 MPa	12480 psi	ILSS Long; 30 min @ 250°F
	@Temperature 22.8 °C	@Temperature 73.0 °F	
	87.08 MPa	12630 psi	ILSS Long; 15 min @ 250°F
	@Temperature 22.8 °C	@Temperature 73.0 °F	

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