

## Hexcel® HexPly® M35-4 80-180°C Curing Epoxy Matrix, M35-4/40%/48280/1000 Fabric

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

### Material Notes:

Fiber: T1000 12K 5H Satin, 283 g/m<sup>2</sup> Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexPly-M35-4-80-180C-Curing-Epoxy-Matrix-M35-440482801000-Fabric.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-M35-4-80-180C-Curing-Epoxy-Matrix-M35-440482801000-Fabric.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	Nominal Laminate Density

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	1425 MPa @Temperature 23.0 °C	206700 psi @Temperature 73.4 °F	prEN2561 Type B
Tensile Modulus	89.0 GPa @Temperature 23.0 °C	12900 ksi @Temperature 73.4 °F	prEN2561 Type B
Compressive Yield Strength	925 MPa @Temperature 23.0 °C	134000 psi @Temperature 73.4 °F	prEN2580 Type A
Shear Modulus	4.70 GPa @Temperature 23.0 °C	682 ksi @Temperature 73.4 °F	In-Plane; prEN6032
Shear Strength	43.0 MPa @Temperature 140 °C	6240 psi @Temperature 284 °F	ILSS; prEN2563
	50.0 MPa @Temperature 80.0 °C	7250 psi @Temperature 176 °F	ILSS; prEN2563
	51.0 MPa @Temperature 23.0 °C	7400 psi @Temperature 73.4 °F	ILSS; prEN2563
	52.0 MPa @Temperature 100 °C	7540 psi @Temperature 212 °F	ILSS; prEN2563
	54.0 MPa @Temperature 120 °C	7830 psi @Temperature 248 °F	ILSS; prEN2563
	118 MPa @Temperature 23.0 °C	17100 psi @Temperature 73.4 °F	In-Plane; prEN6032

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
Cured Thickness per Ply (cm)	0.0308	
Fiber Volume (%)	51	

## Contact Songhan Plastic Technology Co.,Ltd.

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