

## Hexcel® HexPly® 954-2A Curing Cyanate Resin, IM7 Fiber

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-IM7-Fiber.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-954-2A-Curing-Cyanate-Resin-IM7-Fiber.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	2680 MPa	389000 psi	0°
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	160 GPa	23200 ksi	0°
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Yield Strength	87.6 MPa	12700 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Yield Strength	207 MPa	30000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	216 MPa	31300 psi	Open Hole Compression; Wet
	@Temperature 177 °C	@Temperature 351 °F	
	224 MPa	32500 psi	Open Hole Compression; Wet
	@Temperature 163 °C	@Temperature 325 °F	
	236 MPa	34200 psi	Open Hole Compression; Wet
	@Temperature 149 °C	@Temperature 300 °F	
	285 MPa	41300 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1000 MPa	145000 psi	0°
	@Temperature 163 °C	@Temperature 325 °F	
	1030 MPa	149000 psi	0°
	@Temperature 177 °C	@Temperature 351 °F	
	1410 MPa	205000 psi	0°, Wet
	@Temperature 149 °C	@Temperature 300 °F	
	1420 MPa	206000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric	English	Comments
Shear Modulus	2.76 GPa	400 ksi	In-Plane; Wet
	@Temperature 163 °C	@Temperature 325 °F	
	2.90 GPa	421 ksi	In-Plane; Wet
	@Temperature 149 °C	@Temperature 300 °F	
	4.27 GPa	619 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Shear Strength	46.2 MPa	6700 psi	Short Beam, Wet
	@Temperature 163 °C	@Temperature 325 °F	
	48.3 MPa	7010 psi	Short Beam, Wet
	@Temperature 149 °C	@Temperature 300 °F	
	49.6 MPa	7190 psi	Short Beam
	@Temperature 177 °C	@Temperature 351 °F	
	49.6 MPa	7190 psi	Short Beam, Wet
	@Temperature 177 °C	@Temperature 351 °F	
	58.6 MPa	8500 psi	Short Beam
	@Temperature 163 °C	@Temperature 325 °F	
	63.4 MPa	9200 psi	Short Beam
	@Temperature 149 °C	@Temperature 300 °F	
	100 MPa	14500 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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