

## Hexcel® HexPly® 8552 Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

### Material Notes:

HexPly® 8552 is an amine cured, toughened epoxy resin system supplied with unidirectional or woven carbon or glass fibers. HexPly® 8552 is recommended for structural applications requiring high strength, stiffness, and damage tolerance. HexPly® 8552 was developed as a low flow system to operate in environments of up to 250°F. Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexPly-8552-Epoxy-Matrix.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-8552-Epoxy-Matrix.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	1.7 %	1.7 %	
Fracture Toughness	1.62 MPa-m <sup>1/2</sup>	1.47 ksi-in <sup>1/2</sup>	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	
Glass Transition Temp, Tg	154 °C	309 °F	Wet; RDS 7700
	200 °C	392 °F	Dry; RDS 7700

Processing Properties	Metric	English	Comments
Gel Time	13.0 min	13.0 min	
	@Temperature 177 °C	@Temperature 351 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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