

**Hexcel® HexPly® M52 120°C/250°F Curing Epoxy,  
M52/38%/UD150/CHS/460mm**

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

**Material Notes:**Fiber mass: 150 g/m<sup>2</sup> Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexPly-M52-120C250F-Curing-Epoxy-M5238UD150CHS460mm.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-M52-120C250F-Curing-Epoxy-M5238UD150CHS460mm.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	Nominal Laminate
	1.78 g/cc	0.0643 lb/in <sup>3</sup>	Fibre

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	1500 MPa	218000 psi	EN2561
Flexural Yield Strength	1400 MPa	203000 psi	EN2562
Flexural Modulus	100 GPa	14500 ksi	EN2562
Shear Strength	75.0 MPa	10900 psi	ILSS; EN2563

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	85.0 - 90.0 °C	185 - 194 °F	DMA Onset

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month @Temperature -18.0 °C	12.0 Month @Temperature -0.400 °F	

Descriptive Properties	Value	Comments
Cured Thickness per Ply (cm)	0.0161	
Fiber Volume (%)	52.4	

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