

Hexcel® HexPly® M56 180°C (350°F) Out-of-Autoclave Curing Matrix, M56/37%/7581

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

Fiber: E-Glass, Weave: 8HS, 300 g/m2 Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-M56-180C-350F-Out-of-Autoclave-Curing-Matrix-M56377581.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	Cured Resin
	1.77 g/cc	0.0639 lb/in ³	Nominal Laminate
	2.54 g/cc	0.0918 lb/in ³	Fibre

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	470 MPa	68200 psi	EN2597B
Tensile Modulus	25.0 GPa	3630 ksi	EN2597B
Shear Strength	67.0 MPa	9720 psi	ILSS; EN2563

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	211 °C	412 °F	EN6032

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)	0.0269	
Fiber Volume (%)	44	Nominal

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