

Hexcel® HexPly® M12 135°C Curing Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® M12 is a good performance, self extinguishing, tough epoxy matrix for use in helicopter blades. It exhibits good fatigue life and hot/wet performances up to 100°C. HexPly® M12 is supplied with R-glass UD tape, glass and carbon woven fibers. HexPly® M12 was developed for low exotherm curing, so parts with thickness above 10 cm can be cured directly to 135°C without any exothermal risks. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-M12-135C-Curing-Epoxy-Matrix.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	64.0 MPa	9280 psi	
Elongation at Yield	1.26 %	1.26 %	
Tensile Modulus	5.10 GPa	740 ksi	
Poissons Ratio	0.40	0.40	
Shear Modulus	1.82 GPa	264 ksi	Calculated

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	128 °C	262 °F	Wet

Processing Properties	Metric	English	Comments
Shelf Life	14.0 Month @Temperature -18.0 °C	14.0 Month @Temperature -0.400 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China