

Hexcel® HexPly® M36 180°C (350°F) Curing Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® M36 is a high performance 180°C cure matrix developed for aerospace and industrial markets. It can be used in a variety of production techniques (Resin Film Infusion (RFI), prepreg and semipreg) making it easy to process. When cured, HexPly® M36 becomes a tough composite with excellent hot/wet performance. Its low density contributes to increased weight savings, and the flexibility in curing gives potential for composite part cost savings. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-M36-180C-350F-Curing-Epoxy-Matrix.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	81.0 MPa	11700 psi	
Tensile Modulus	3.50 GPa	508 ksi	
Compressive Yield Strength	146 MPa	21200 psi	
Poissons Ratio	0.42	0.42	
Fracture Toughness	0.900 MPa-m½	0.819 ksi-in½	
Shear Modulus	1.23 GPa	178 ksi	Calculated
Toughness	190 J	140 ft-lb	Per square meter

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

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