

Hexcel® HexPly® M21 356°F (180°C) Curing Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® M21 is a new, very tough epoxy matrix that exhibits excellent damage tolerance, especially at high energy impact. It has been developed to meet the needs of the latest generation of primary aircraft structures and Formula 1 Grand Prix cars. HexPly® M21 benefits from easy processing as a result of controlled flow and a simple cure schedule. It is best suited to press or autoclave cure to obtain optimum mechanical performance from the cured composite. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-M21-356F-180C-Curing-Epoxy-Matrix.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	5.0 %	5.0 %	Flexural strain
Flexural Yield Strength	147 MPa	21300 psi	
Flexural Modulus	3.50 GPa	508 ksi	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	185 °C	365 °F	

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
Tack Life (days)	30	

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