

Hexcel® HexPly® 6376 175°C Curing Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® 6376 is a high performance tough matrix formulated for the fabrication of primary aircraft structures. It offers high impact resistance and damage tolerance for a wide range of high temperature applications. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-6376-175C-Curing-Epoxy-Matrix.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	Cured

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	105 MPa	15200 psi	ISO R527 Type 1
Elongation at Yield	3.1 %	3.1 %	ISO R527 Type 1
Tensile Modulus	3.60 GPa	522 ksi	ISO R527 Type 1
Flexural Yield Strength	144 MPa	20900 psi	ISO 178
Flexural Modulus	4.40 GPa	638 ksi	ISO 178
Toughness	432 J	319 ft-lb	Per square meter

Processing Properties	Metric	English	Comments
Shelf Life	>= 6.00 Month @Temperature -18.0 °C	>= 6.00 Month @Temperature -0.400 °F	

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