

Hexcel® HexPly® 954-6 Curing Cyanate Resin

Category : Polymer , Thermoset , Epoxy

Material Notes:

HexPly® 954-6 is a 250°F (121°C) curing toughened cyanate resin with 300°F (149°C) Tg. HexPly® 954-6 is formulated for autoclave curing. Recommended cure is three hours at 250°F (121°C). Service temperatures are maximized by a post cure of 350°F - 450°F (177°C - 205°C). The recommended lay-up procedure is HSP-L3. The recommended cure procedure is HSPC-4. Typical applications for HexPly® 954-6 include space structures, such as solar arrays, antennae and support structures, or any application where impact resistance, light weight, excellent dielectric and low outgassing properties are required. HexPly® 954-6 can be impregnated on all available fibers and fabrics. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-954-6-Curing-Cyanate-Resin.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	
Outgassing - Total Mass Loss	0.070 %	0.070 %	Average; ASTM E595
Collected Volatile Condensable Material	0.00 %	0.00 %	ASTM E595

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	94.0 MPa @Temperature 23.0 °C	13600 psi @Temperature 73.4 °F	
Elongation at Yield	2.52 % @Temperature 23.0 °C	2.52 % @Temperature 73.4 °F	
Tensile Modulus	3.70 GPa @Temperature 23.0 °C	537 ksi @Temperature 73.4 °F	
Flexural Yield Strength	148 MPa @Temperature 23.0 °C	21500 psi @Temperature 73.4 °F	
Flexural Modulus	3.90 GPa @Temperature 23.0 °C	566 ksi @Temperature 73.4 °F	
Compressive Yield Strength	180 MPa @Temperature 23.0 °C	26100 psi @Temperature 73.4 °F	

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