

Hexcel® HexPly® 954-3A Curing Cyanate Resin

Category : Polymer , Thermoset , Epoxy

Material Notes:

HexPly® 954-3A is a 350°F (177°C) curing cyanate resin with a 400°F (204°C) glass transition temperature. Standard cure is two hours at 350°F (177°C). Glass transition temperatures can be maximized by a free-standing post cure at 450°F (232°C). HexPly® 954-3A is a controlled flow cyanate resin designed for autoclave and vacuum bag curing. HexPly® 954-3A can be impregnated on all available fibers and fabrics. The recommended lay-up procedure for HexPly® 954-3A is HSP-L3. The recommended cure procedure is HSP-C1. Typical applications are primary and secondary space structures where dimensional stability and low moisture absorption are required. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-954-3A-Curing-Cyanate-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	56.0 MPa	8120 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	1.9 %	1.9 %	
Tensile Modulus	3.30 GPa	479 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Yield Strength	88.0 MPa	12800 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	3.20 GPa	464 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	197 °C	387 °F	

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