

Hexcel® HexPly® F522 Epoxy Resin

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® F522 is an advanced, modified epoxy formulation designed for autoclave curing to offer very high laminate strengths, coupled with increased fracture toughness, excellent hot-wet properties and adhesive properties. HexPly® F522 is a controlled flow epoxy resin for laminating and co-curing 250°F (121°C) cure. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F522-Epoxy-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.283 g/cc	1.283 g/cc	
Moisture Absorption at Equilibrium	4.8 %	4.8 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	67.0 MPa	9720 psi	
Elongation at Yield	>= 2.1 %	>= 2.1 %	
Tensile Modulus	3.20 GPa	464 ksi	
Fracture Toughness	0.810 MPa-m ^{1/2}	0.737 ksi-in ^{1/2}	

Thermal Properties	Metric	English	Comments
CTE, linear	21.9 µm/m-°C	12.2 µin/in-°F	
Glass Transition Temp, Tg	88.0 °C	190 °F	Wet
	121 °C	250 °F	Dry

Processing Properties	Metric	English	Comments
Gel Time	<= 4.00 min	<= 4.00 min	16
	@Temperature 121 °C	@Temperature 250 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China