

Hexcel® HexPly® F185 Epoxy Resin

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® F185 is an advanced epoxy formulation designed for autoclave curing to offer very high sandwich and metal bonding strengths with moderate laminate strengths. HexPly® F185 is a structural adhesive and co-curing grade epoxy resin with a 250°F (121°C) cure. This system offers the highest available fracture toughness and strain to failure of the 250°F (121°C) cure resins. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F185-Epoxy-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.286 g/cc	1.286 g/cc	
Moisture Absorption at Equilibrium	7.0 %	7.0 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	
Elongation at Yield	>= 9.5 %	>= 9.5 %	
Tensile Modulus	2.90 GPa	421 ksi	
Fracture Toughness	3.69 MPa-m ^{1/2}	3.36 ksi-in ^{1/2}	

Thermal Properties	Metric	English	Comments
CTE, linear	85.5 µm/m-°C	47.5 µin/in-°F	
Glass Transition Temp, Tg	77.0 °C	171 °F	Dry

Processing Properties	Metric	English	Comments
Gel Time	5.00 - 11.0 min	5.00 - 11.0 min	
	@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