

## Hexcel® HexPly® ES70 120°C Curing Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

**Material Notes:**

HexPly® ES70 is a structural epoxy resin particularly well adapted to low pressure molding processes. This system is versatile and allows a polymerization from 100°C (212°F) up to 150°C (302°F). HexPly® ES70 can be used for industrial, sports and leisure application. HexPly® ES70 prepreg is available in fabrics reinforcement. Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexPly-ES70-120C-Curing-Epoxy-Matrix.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-ES70-120C-Curing-Epoxy-Matrix.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	Cured resin

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	ISO R527
Elongation at Yield	2.7 %	2.7 %	ISO R527
Tensile Modulus	2.90 GPa	421 ksi	ISO R527
Poissons Ratio	0.35	0.35	
Shear Modulus	1.07 GPa	155 ksi	Calculated

Thermal Properties	Metric	English	Comments
CTE, linear	75.1 µm/m-°C	41.7 µin/in-°F	ASTM D696.79
Glass Transition Temp, Tg	100 °C	212 °F	DMA

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month @Temperature -18.0 °C	12.0 Month @Temperature -0.400 °F	

Descriptive Properties	Value	Comments
Tack Life (days)	30	

## 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