

Hexcel® HexPly® M52 120°C/250°F Curing Epoxy, M52/40%/193P/CHS-3K

Category : Polymer , Thermoset , Carbon Fiber/Thermoset Composite , Epoxy , Epoxy/Carbon Fiber Composite

Material Notes:

Fiber: HS Carbon, Plain Weave, 193 g/m2 Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-M52-120C250F-Curing-Epoxy-M5240193PCHS-3K.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in³	Resin
	1.49 g/cc	0.0538 lb/in³	Nominal Laminate
	1.78 g/cc	0.0643 lb/in³	Fibre

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	751 MPa	109000 psi	EN2561
Tensile Modulus	63.8 GPa	9250 ksi	EN2561
Flexural Yield Strength	971 MPa	141000 psi	EN2562
Flexural Modulus	65.6 GPa	9510 ksi	EN2562
Compressive Yield Strength	604 MPa	87600 psi	EN2850B
Compressive Modulus	61.0 GPa	8850 ksi	EN2850B
Shear Strength	60.0 MPa	8700 psi	ILSS; EN2563

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	85.0 - 90.0 °C	185 - 194 °F	DMA Onset

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
Cured Thickness per Ply (cm)	0.0216	
Fiber Volume (%)	50.3	

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