

Fibre Glast 3102 2x2 Twill Weave Prepreg Kevlar Fabric

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

Material Notes:

Prepreg fabrics are pre-impregnated with an epoxy resin system. As a result, nearly perfect resin content and maximum, repeatable strength properties are attainable. When properly fabricated, parts made with Fibre Glast prepregs will have a clear shine and be free of air bubbles. Although prepreg material addresses many of the nagging challenges of composite fabrication, the user's fabrication techniques will directly affect the finished properties and cosmetics. Fibre Glast prepregs are easy to handle and are able to be stored, shipped and handled at room temperatures. These prepregs have a shelf life of 12 months when the maximum storage temperature does not exceed 75°F and 6 months when it does not exceed 90°F.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fibre-Glast-3102-2x2-Twill-Weave-Prepreg-Kevlar-Fabric.php

Physical Properties	Metric	English	Comments
Water Absorption	3.9 %	3.9 %	Neat Resin

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	76.1 Â°C	169 Â°F	Neat Resin; After 24 hr water boil
	132 Â°C	270 Â°F	Neat Resin; G" on DMA Curve

Processing Properties	Metric	English	Comments
Processing Temperature	132 Â°C	270 Â°F	Target Cure Temp
	@Time 14400 sec	@Time 4.00 hour	
	143 Â°C	290 Â°F	Target Cure Temp
	@Time 7200 sec	@Time 2.00 hour	
	154 Â°C	310 Â°F	Target Cure Temp
	@Time 3600 sec	@Time 1.00 hour	

Descriptive Properties	Value	Comments
Weave Pattern	2x2 twill	
Weight (oz/sq yd)	5.3	
Yarn Description, Fill	1140 Denier Kevlar® 49	
Yarn Description, Warp	1140 Denier Kevlar® 49	

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