

Fibre Glast 549 Kevlar® Fabric

Category : Other Engineering Material , Composite Fibers , Polymer , Thermoset , Aramid

Material Notes:

This was one of the first high strength synthetic fibers to gain acceptance in the reinforced plastic industry. Unlike the previous synthetic reinforcing fibers, Kevlar® has a considerably higher tensile strength and modulus than fiberglass. Kevlar® is usually used for structures requiring good stiffness, high abrasion resistance, and light weight. Current applications include lightweight boat hulls such as kayaks and canoes, aircraft fuselage panels and pressure vessels. Kevlar® may be used with epoxy or vinyl ester resins.

General Properties for Kevlar®/Carbon Hybrid: Excellent thermal & dimensional stability; Performs with no strength loss up to temperatures of 320°F for extended periods; Lighter in weight than E-Glass with higher specific strengths; Sensitive to direct exposure from UV light; however, demonstrates little or no change in a composite when it is indirectly exposed to UV light; Will not melt or support combustion, however, it will begin to caramelize at approximately 800°F

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Order this product through the following link:

http://www.lookpolymers.com/polymer_Fibre-Glast-549-Kevlar-Fabric.php

Physical Properties	Metric	English	Comments
Thickness	305 microns	12.0 mil	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °F	Extended periods

Descriptive Properties	Value	Comments
Weave Pattern	4-Harness Satin	
Weight (oz/sq yd)	5	
Yarn Description, Fill	1140 Denier Kevlar® 49	
Yarn Description, Warp	1140 Denier Kevlar® 49	

Contact Songhan Plastic Technology Co.,Ltd.

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