

K-SATIN-175-100

Satin Weave Kevlar Cloth Fabric



Key Features

- Very high resistance to impact and abrasion
- Much more resilient to fracture separation than other reinforcements
- Good drapability and easy to wet out

Product Description

This 175gsm satin weave Kevlar cloth can be used on its own or in conjunction with other reinforcement fabrics (such as carbon fibre) to achieve a very strong and impact resilient composite.

Kevlar® provides very high resistance to impact and abrasion and is much more resilient to fracture separation than other reinforcements (including carbon fibre).

Satin weave Kevlar® cloth can be laminated in just the same way as carbon fibre and is suitable for use in wet-lay, vacuum bagging or resin infusion.

For maximum performance Kevlar® should always be laminated with Epoxy resin.

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Specification

Property	Unit	Value
Material	-	Kevlar 49
Colour	-	Yellow
Format	-	Woven Fabric
Weave Type	-	Satin
Width	mm	1000
Areal Weight	g/cm ²	175
Thickness	mm	0.27
Consolidated Thickness	mm	0.27
Ends	/cm	6.7
Picks	/cm	6.7
Tensile Strength	mPa	3000
Tensile Modulus	GPa	112.4
Poissons Ratio	-	0.36
Elongation at Break	%	2.4
Maximum Service Temperature in Air	°C	149-177
Density	g/cm ³	1.44

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Easy Composites Ltd
Unit 39, Park Hall Business Village
Stoke-on-Trent, ST3 5XA
United Kingdom

Easy Composites Ltd
Beneluxbaan 16
Rijen, 5121 DC
Netherlands

W: www.easycomposites.com
E: sales@easycomposites.com
T: +44 (0) 1782 454499

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