



Handling & Storage

Kevlar is sensitive to UV light so we recommend storing in a dark place to minimise the chance of UV degradation.

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. It 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	Units	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

Disclaimer

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum.

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