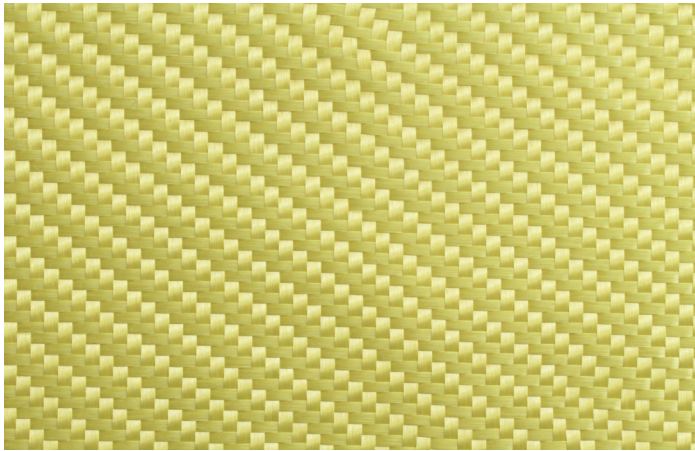


Kevlar Cloth



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

High quality 300gsm woven Kevlar® fabric reinforcement using genuine Dupont® Kevlar® yarn in a 2x2 twill weave for good drapability. This fabric is 1m (1000mm) wide and sold by the linear metre.

This high performance aramid cloth can be used on its own to make panels with maximum impact strength or used in combination to add impact strength to carbon or glass fibre laminates in applications such as motorsport panels, canoes, kayaks etc.

This Kevlar® brand heavyweight 300g kevlar cloth 2/2 twill weave 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).

Twill 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.

Specification

Property	Units	Value
Material	-	Kevlar 49
Colour	-	Yellow
Format	-	Woven Fabric
Weave Type	-	2x2 Twill
Width	mm	1000
Areal Weight	g/cm ²	300
Thickness	mm	0.47
Consolidated Thickness	mm	0.40
Ends	/cm	4.75
Picks	/cm	4.75
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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