

# 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 <sup>2</sup>	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 <sup>3</sup>	1.44

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