



CBF Fabric

Technical Data Sheet

UBT offers high quality, lightweight woven basalt fabrics with the right stability and impregnation properties for all type of composite applications.

Woven fabrics made of 100% CBF from UBT for technical textiles and high-performance composites.

The sizing allows good compatibility with epoxy and other thermoset resin systems.

Moisture content of basaltic rock	0.1 %
Melting Temp. range	1450-1550 °C
Operating long-term thermal range:	from -200°C up to 850°C
Sizing type	Based on Silane
Density of CBF filament	2,6 kg/dm ³

Basalt fabric	Surface weight, gr/m ²	Thread count, per/1cm		Nominal linear density, TEX	Diameter of monofilament, μm	Thickness, mm (+/- 0.010)	Breaking force, Kgf		Fabric roll's width, cm	Moisture content, % Weight
		Warp	Weft				Warp	Weft		
Plain	110	20	17	28	6-7.5	0.090	82	60	100	<1
Plain	120	16	18	30	7-8.5	0.095	60	76	100	<1

Variations in weave type (such as Satin/Twill) and width can be produced on request.

Storage and usage conditions

UBT recommends storage of all its articles in a cool and dry warehouse into the original packaging. For an optimal processing, we recommend to use the product in ambient conditions (20 - 23°C, 60 - 65% Relative Humidity).

Product Stability

UBT Products have not been designed for full external exposure conditions and cannot be guaranteed for use in such situations. However, these UBT products have considerable tolerance to damp conditions and occasional water immersion. After drying out, the product will give the same level of performance as the original sample. All evidence obtained to date indicates that the performance should not significantly change over a significant period of time when said products are not subjected to excessive heat, wear and abrasion. It is the responsibility of the developer of the end-product finished device or system to test its performance in the end-application.

DISCLAIMER OF LIABILITY

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