



## CBF Tapes

### Technical Data Sheet

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

Woven tapes 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 <sup>3</sup>

CBF Tapes	Surface weight, gr/100m	Thread count, per/1cm		Nominal linear destiny, TEX	Diameter of monofilament, µm	Thickness, mm (+/- 0.010)	Breaking force, Kgf		Tape's Width/Length, cm	Moisture content, % Weight
		Warp	Weft				Warp	Weft		
Plain	440	57	20	28	6-7.5	0.148	86	-	25/-	<2
Plain	795	94	19	28	6-7.5	0.160	150	-	42/-	<2

Variations in weave type, length and width of CBF tapes can be produced on customer's 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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