suter-kunststoffe ag
swiss-composite.ch
CH-3312 Fraubrunnen 031 763 60 60 Fax 031 763 60 61
www.swiss-composite.ch info@swiss-composite.ch

Technical Data Sheet
Fabric Type BAS 630.1270.T

Woven fabric for composite applications, is entirely made of 100% BCF (basalt continuous filament) direct (unassembled) roving.
The first code 630 is the surface density in g/m²
The second code 1270 is the width of the fabric in mm.
The third code indicates the weave.

Property	Standard/Method	Unit	Value	Tolerance
Base material				
Density of unsized filament matl		kg/dm³	2.70	± 5%
Moisture content of basaltic rock		%	0.1	± 0.05
Melting point		°C	1350	± 100
Fabric				
Specific surface weight*	ISO 3374:2000	g/m²	630	
Weave type*			Twill 1/3	
Yarn density/type*: - warp - weft		 ends/cm ends/cm	 6.9 6.9	
Width*	ISO 5025:1997	mm	1270	-0/+20
Thickness	ISO 4603:1993	mm	0.56	
Sizing type*			AminoSilane	
Breaking load: - warp - weft	ISO 4606:1995 – Type II	 N/25mm N/25mm	 >6000 >3000	
Continuous temperature range		°C	- 250°C 350°C with stress 550°C w/o stress 1200°C fire barrier	
Moisture content (fabric)	ISO 3344:1997	%	<0.3	
LOI, also sizing content*	ISO 1887:1995**	%	0.4 – 0.6	
Combustibility	NF P92-503:1995	M0	Pass	
UV stability	ISO 105-B02		6	
Colour fastness	ISO 1005-BX12		6	

*properties given on the "Quality Report" coming with each product delivery
** after drying according ISO 3344:1997

Packaging
Fabric length is approximately 500 lm per roll. Other length on request. Roll tube has internal diameter of 150 mm. Identification label. Standard packing.

Product Stability:
Products have not been designed for full external exposure conditions and cannot be guaranteed for use in such situations. However, these 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.

Stability over time:
Said products not being subjected to excessive heat, wear and abrasion, all evidence obtained to date indicates that their performance should not significantly change over a significant period of time.
It is the responsibility of the developer of the end-product, finished device or system to test its performance in the end-application.