Technical Data Sheet

BASALTEX® The thread of stone

Basalt Multiaxial Fabric BAS BI 600

Identification & Application

Multi-axial fabric for composite applications, is made of 100% BCF (basalt continuous filmant) roving. The sizing allows good compatibility with epoxy and other thermoset resin systems.

Property	Standard/Method	Unit	Value
Base material			
Density of unsized filament		kg/dm^3	2,67
Moisture content of basaltic rock		%	0,1
Melting point*		°C	1350
Fabric			
Specific surface weight	ISO 3374:2000	g/m^2	605
Weave type			biaxial
Yarn density:			
- **-45°**		g/m^2	298,5
- **0°**		g/m^2	0
- **+45°**		g/m^2	298,5
- **+90°**		g/m^2	0
- **stiching**		g/m^2	8
Sizing type			Silane
Continuous max temperature		°C	-250°C – 550°C 1200°C fire blocking
Width	ISO 5025:1997	mm	1270
Thickness	ISO 4603:1993	mm	0,5
Moisture content (fabric)	ISO 3344:1997	%	<0,3
LOI, also sizing content	ISO 1887:1995	%	0,4-0,6
Combustibility	NF P92-503:1995	M1	Pass
UV stability	ISO 105-B02		>7

* after drying according ISO 3344:1997

Packaging

Standard fabric length: 50lm (Other lengths on request)

Fabric roll has support cardboard tube (ID 76mm), identification label with piece and batch number. Wrapping of roll in PE-foil, tape sealed. Rolls are arranged on a pallet with secure strapping.

Product Stability

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

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.

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