

## **Technical Data Sheet**

### **Fabric Type BAS 220.1270.P**

Woven fabric for composite applications, is entirely made of 100% BCF (basalt continuous filament) direct (unassembled) roving.

The first code 220 is the surface density in g/m<sup>2</sup>

The second code 1270 is the width of the fabric in mm.

The third code indicates the weave.

Property	Standard/Method	Unit	Value	Tolerance
<b>Base material</b>				
Density of unsized filament matl		kg/dm <sup>3</sup>	2.67	± 5%
Moisture content of basaltic rock		%	0.1	± 0.05
Melting point		°C	1350	± 100
<b>Fabric</b>				
Specific surface weight	ISO 3374:2000	g/m <sup>2</sup>	220	
Weave type			Plain	
Yarn density/type:				
- warp		ends/cm	7.2	
- weft		ends/cm	7.2	
- linear density				
Width	ISO 5025:1997	mm	1270	-0/+20
Thickness	ISO 4603:1993	mm	0.13	
Sizing type			Silane	
Breaking load:	ISO 4606:1995 – Type II			
- warp		N/25mm	>1800	
- weft		N/25mm	>1800	
Continuous temperature range		°C	250°C – 550°C 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	

\* after drying according ISO 3344:1997

#### Packaging

Fabric length is approximately 100 lm per roll. Other length on request. Roll tube has internal diameter of 55 mm. Identification label. Standard packing.

#### 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:

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.