

## Technical Data Sheet

### **Fabric Type HYBRID Bas/Aramid 850.1270.T**

Woven fabric for composite applications, is made of BCF (basalt continuous filament) roving and Twaron aramid roving. The first code 850 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>				
<b>basalt roving 600 tex</b>	ASTM 2256-97			
-tensile strength		cN/tex	>67	±5%
-E-modulus		GPa	84	±3
<b>Twaron aramid roving 8550 dtex</b>				
-tensile strength		cN/tex	204	±5%
-E-modulus		GPa	99	±3
<b>Fabric</b>				
<b>Specific surface weight*</b>	ISO 3374:2000	g/m <sup>2</sup>	850	
<b>Weave type*</b>			Twill 1/3	
<b>Yarn density/type*:</b>				
- warp		ends/cm	6.9 (600 tex basalt roving)	
- weft		ends/cm	5.0 (855 tex aramid roving)	
<b>Width*</b>	ISO 5025:1997	mm	1270	-0/+20 mm
<b>Thickness</b>	ISO 4603:1993	mm	1.13	
<b>Breaking load:</b>	ISO 4606:1995 – Type II			
- warp		N/25mm	>6935	
- weft		N/25mm	>21800	
<b>Moisture content (fabric)</b>	ISO 3344:1997	%	<0.3	

\*properties given on the “Quality Report” coming with each product delivery

#### 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:

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.