

Technical Data Sheet

Fabric Type HYBRID Bas/Aramid 800.1250.T

Woven fabric for composite applications, is made of BCF (basalt continuous filament) roving and Twaron aramid roving. The first code 800 is the surface density in g/m². The second code 1250 is the width of the fabric in mm. The third code indicates the weave.

Property	Standard/Method	Unit	Value	Tolerance
Base material				
basalt roving 600 tex	ASTM 2256-97			
-tensile strength		cN/tex	>67	±5%
-E-modulus		GPa	84	±3
Twaron aramid roving 8550 dtex				
-tensile strength		cN/tex	204	±5%
-E-modulus		GPa	99	±3
Fabric				
Specific surface weight*	ISO 3374:2000	g/m ²	800	
Weave type*			Twill 2/2	
Yarn density/type*:				
- warp		ends/cm	3.8 (1200 tex basalt roving)	
- weft	ends/cm	3.8 (855 tex aramid roving)		
Width*	ISO 5025:1997	mm	1250	-0/+20 mm
Thickness	ISO 4603:1993	mm		
Breaking load:	ISO 4606:1995 – Type II			
- warp		N/25mm	>7638	
- weft	N/25mm	>16570		
Moisture content (fabric)	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.