

Technical Data Sheet

Fabric Type HYBRID Bas/Aramid 230.1270.T

Woven fabric for composite applications, is made of BCF (basalt continuous filament) roving and Twaron aramid roving. The first code 230 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				
basalt roving 150 tex	ASTM 2256-97			
-tensile strength		cN/tex	>67	±5%
-E-modulus		GPa	84	±3
Twaron aramid roving 1710 dtex				
-tensile strength		cN/tex	213	±5%
-E-modulus		GPa	105	±3
Fabric				
Specific surface weight*	ISO 3374:2000	g/m²	230	
Weave type*			Twill 2/2	
Yarn density/type*:				
- warp		ends/cm	7.2 (150 tex basalt roving)	
- weft		ends/cm	7.2 (171 tex aramid roving)	
Width*	ISO 5025:1997	mm	1270	-0/+20 mm
Thickness	ISO 4603:1993	mm		
Breaking load:	ISO 4606:1995 – Type II			
- warp		N/25mm	>1800	
- weft		N/25mm	>6555	
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.