

Technical Data Sheet

Fabric Type HYBRID Bas/Carbon 390.1200.P

Woven fabric for composite applications, is made of BCF (basalt continuous filament) roving and carbon roving.

The first code 390 is the surface density in g/m²

The second code 1200 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				
-tensile strength	ASTM D2343	MPa	2700-3200	
-E-modulus		GPa		
12K carbon roving				
-tensile strength	DIN 65382	MPa	4300	
-E-modulus		GPa		
Fabric				
Specific surface weight*	ISO 3374:2000	g/m ²	390	
Weave type*			Plain	
Yarn density/type*:				
- warp		ends/cm	2.7 (12K carbon roving)	
- weft		ends/cm	2.7 (600 tex basalt roving)	
Width*	ISO 5025:1997	mm	1200	-0/+20
Thickness	ISO 4603:1993	mm	0.51	
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.