

## Technical Data Sheet

### **KVT150tex13-I**

Basalt continuous filament Direct roving, particularly suited for composite applications.

The first code: 150, indicates the tex value.

The second figure: 13, indicates the nominal diameter (µm) of the filament.

The third code : I indicates the type of bobbin, I are bobbins for internal unwinding (tubeless).

Direct roving is only available on bobbins for internal unwinding.

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>Roving</b>				
Filament diameter*	ASTM D578-2000 - §26	µm	13	± 1.5
Sizing type			silane	
Linear density range*	ISO 2060:1994	tex	150	± 5%
Tensile strength*	ASTM D3822	cN/tex	≥ 65	
E-Modulus	ASTMD2343	GPa	85	± 2
Continuous temperature range		°C	-250°C to 550°C 1200°C fire barrier	
Moisture content (sized roving)*	ISO 3344:1997	%	<0.1	
LOI, also sizing content*	ISO 1887:1995**	%	≥ 0.4	
Combustibility	NF P92-503 (1995)	M0	Pass	
UV stability	ISO 105-B02		6	
Colour fastness	ISO 1005-BX12		6	

\* properties are given on the "Certificate of Conformance " coming with each product delivery

\*\*after drying according ISO 3344:1997

#### Packaging

Direct roving bobbins with internal unwinding have 3 or 5kg of roving and are tubeless.  
(ID 200mm, L 255mm).

#### 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.