BASALTEX™
The thread of stone

ISO 9001 **A Division of FLOCART nv**

Technical Data Sheet

KVT4800Tex17E-I

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

The first code: 4800, indicates the tex value.
The second figure: 17, indicates the nominal diameter (µm) of the filament.
The third code : E/I, indicates the type of bobbin.
E are bobbins for external unwinding. I are bobbins for internal unwinding (tubeless).

Property	Standard/Method	Unit	Value	Tolerance
Base material				
Density of unsized filament matl		kg/dm³	2.67	± 5%
Moisture content of basaltic rock		%	0.1	± 0.05
Melting point		°C	1350	± 100
Roving				
Filament diameter*	ASTM D578-2000 - §26	µm	17	± 1.5
Sizing type			silane	
Linear density range*	ISO 2060:1994	tex	4800	± 5%
Tensile strength*	ASTM D3822	cN/tex	≥ 55	
E-Modulus	ASTM D2343	GPa	87	± 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
Bobbins for internal unwinding have 3; 5; 9 kg of roving. Cardboard core (ID 76mm, L 270mm). Bobbins for external unwinding have 3; 5; 8 kg of roving. Roving is wrapped in protective plastic bags.

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.