

Technical Data Sheet

Fire Protective Tape 7103.20.0040

Anti-slip

(patent granted)

Tape construction consists of a high temperature resistant fabric substrate with polymeric coating. Fabric is made of 100% BCF (basalt continuous filament) yarn. The primer with anti-slip coating improves mechanical, handling and application properties while maintaining good fire resistance performance. Continuous tape is being used as component e.g. in electrical cable constructions & appliances, power electronics and as an interlayer for fire protection of constructions, improving fire behaviour and integrity against direct and indirect ignition sources.

Property	Standard/Method	Unit	Value	Tolerance
Base material				
Density of unsized filament matl*		kg/dm ³	2.67	+ 5%
Moisture content of basaltic rock*		%	0.1	+ 0.05
Melting point*		°C	1350	+ 100
Fabric				
Weave type			Plain	
Yarn density:				
- warp		ends/cm	7.2	
- weft		ends/cm	7.2	
Sizing type			silane	
Continuous max temperature		°C	350°C with stress 550°C w/o stress 1200°C fire blocking	
Breaking load:	ISO 4606:1995 – Type II			
- warp		N/25mm	>1800	
- weft		N/25mm	>1800	
Coated tape				
Coating material			PUR based	
Dry content on fabric		g/m ²	220	+ 3
Combustibility	NF P92-503:1995	M1	Pass	
Abrasion resistance	ISO 12947-2:1998	# cycles	40.000 (coated side)	+ 5000
Specific weight**	ISO 4605	g/m	10.4	+ 0.8
Thickness tape**	ISO 4603:1993	mm	0.21	+ 0.05
Width tape**	ISO 5025:1997	mm	40	+ 2

* data from literature

**properties are given on the "Quality Report" coming with each product delivery

Product Conditioning:

Tape roll has a max. OD of ca 400 mm. Cardboard core has a min. ID of 76 mm, width as tape. Tape length : maximum 400 m. Tape rolls are stacked in cardboard boxes, which are arranged up to 4 boxes high on a pallet. The box assembly is laterally wrapped in PE protective foil and securely wrapped to the pallet.

Product Stability:

BASALTEX™ Fire Barrier Interface fabrics & tapes 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 protective performance as in the original state.

Further details on chemical and thermal resistances on request.

Stability over time:

Said fabrics & tapes not being subjected to excessive wear and abrasion, all evidence obtained to date indicates that their protective performance should not significantly change over a period of many years. The required levels of performance are expected to remain valid, in line with the life of the associated components.

Fire resistance:

Fire test evidence is applicable only to the finished device or system. For this reason certificates cannot be supplied for a particular component. Indicative fire resistance improvement determination on request.