



550°C

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3250XW
White Textape
3250XWA
White adhesive Textape
3250XB
Black Textape
3250XBA
Black adhesive Textape

STOVES&FIREPLACES STOVES&FIREPLACES ST

Description

Textape tape is made entirely of 6-9 micron glass yarns that withstand temperatures up to 550°C. The main characteristic is production by needle weaving, which makes the tape soft, supple and particularly suitable for insulating the glass doors of fireplaces and stoves. In order to facilitate application, it is supplied with an adhesive side (the adhesive withstands a maximum temperature of 50°C).

Presentation

Tipo 3250 XB Textape nero (A richiesta)

Tipo 3250 XBA Textape nero adesivo

Applications

Ovens, stoves, wood-burning stoves, pellet stoves, fireplaces, direct vent fireplaces, wood stoves and boilers. of electric wires.

Standard sizes

thickness (mm)	width (mm)	rolls (m)
2 - 3	6	100
2 - 3	8	100
2 - 3	10	100
2 - 3	12	100
2 - 3	15	100
2 - 3	20	50
2 - 3	25	50

Also available in widths 30 mm, 40 mm, 50 mm, 60 mm, 80 mm, 100 mm with a minimum supply of 150 metres.

Chemical analysis

Aluminium oxide	Al ₂ O ₃	12 - 16 %
Silicon oxide	SiO ₂	52 - 56 %
Calcium oxide	CaO	16 - 25 %
Magnesium oxide	MgO	0 - 5 %
Boron oxide	B ₂ O ₃	5 - 10 %
Alkali content	Na ₂ O+K ₂ O	0 - 1 %
Iron oxide	Fe ₂ O ₃	0.05 - 0.4 %
Titanium oxide	Ti ₂ O ₂	0 - 0.8 %
Fluorine	F ₂	0 - 1 %

Characteristics of the glass yarn

Fibre diameter	6-9 µm
Colour	white / black

Mechanical characteristics of the glass yarn

Virgin filament tensile test	34000 MPa 493 ksi
Impregnated strand tensile test	2400 MPa 348 ksi
Tensile modulus	73 GPa 10.5 msi
Toughness	Min.50 cN/Tex
Elongation at break	2.2 - 2.5%
Elastic recovery	100%

Electrical characteristics of the glass yarn

Dielectric constant	
- at 1MHz	6.4
- at 1GHz	6.13
Loss angle	
- at 1MHz	0.0018 - 0.0039
- at 1GHz	0.0039
Volume resistivity	1014 - 1015 Ohm/cm
Surface resistivity	1013 - 1014 Ohm/cm
Dielectric strength	8 - 12 kV/mm

Thermal characteristics of the glass yarn

Operating temperature	550°C
Operating temperature range of the adhesive	-10°C / +50°C
Linear coefficient of thermal expansion	5.3 10-6 m/m/ °C
Specific heat	
- at 20°C	0.764 J/g. °K
- at 200°C	0.958 J/g. °K
Coefficient of thermal conductivity	1.0 W/m.°K

The products are classified as non-hazardous in accordance with the European 67/548/EEC standard and its amendments.