

## PROMAGLAF® HTK Textiles

PROMAGLAF® HTK Textiles are textile products based on earth-alkali silicate fibres (high temperature glass fibres) reinforced with chrome nickel wire. Due to the fact that all PROMAGLAF® HTK textile products are manufactured, with body soluble fibres, PROMAGLAF® HTK is not classified under directive 97/69/EC. Therefore labelling and special precautions during processing and packaging are not required.



### ADVANTAGES AND PROPERTIES

- Harmless in terms of working hygiene, not classified
- Flexible and elastic for processing , ideal for sealing purposes
- Good thermal insulation
- High tensile strength, abrasion-proof
- High temperature resistance
- Low organic fibre content

### WORKING AND PROCESSING

The flexible cords, tapes, clothes and hoses can be worked and processed with conventional textile working tools.

### AVAILABILITIES

PROMAGLAF® HTK products are available in several form, such as:

- Yarns
- Twisted ropes
- Round braidings
- Square braidings
- Sleeves
- Tapes
- Fabrics
- Insulation ropes

### AREAS OF APPLICATION

- Joint sealings in heating devices
- Insulation of pipelines
- Ingot mould sealings
- Furnace curtains
- Welding curtains
- Kiln car seals
- Inspection door seals
- Door seals in boilers, ovens, reformers and other chemical furnaces





## TECHNICAL DATA

Product name	PROMAGLAF® HTK textiles	
Colour	beige	
Classification temperature	1260	°C
Melting point	> 1400	°C
Maximum service temperature of reinforcing chrome nickel wire	1000	°C
Organic content	≤ 15	%
Diameter of PROMAGLAF® HTK fibres	3,5 μ	( micron )
Chemical analysis of PROMAGLAF® HTK fibres		
	SiO <sub>2</sub>	65 – 80 %
	MgO + CaO	22 – 40 %
	Al <sub>2</sub> O <sub>3</sub>	< 1 %

Promat contains the right to change without notice the properties and values of all products. The given technical values are obtained in specific conditions and are average and indicative. In case of any doubt if these properties and/or values are matching the application requirements, please contact Promat for advice.

## STANDARD TYPES AND SIZES

**PROMAGLAF® HTK twisted ropes** are textiles made of a number of single yarns, twisted together. The diameter of the rope is determined by the number and thickness of the yarn.

Diameter : 3 to 15 mm  
Length : 200 to 15 m

**PROMAGLAF® HTK insulation ropes** are soft sealing products made of stripes of PROMAGLAF® HTK blanket, overbraided with (open or closed meshes) PROMAGLAF® HTK yarn and reinforced with chrome-nickel metal wire (1000°C).

Diameter : 15 – 60 mm  
Length : 25 – 10 m

**PROMAGLAF® HTK Braidings** can be in round, square or rectangular sections.

**PROMAGLAF® HTK round braiding**

Diameter : 7 – 60 mm  
Length : 100 – 15 m

**PROMAGLAF® HTK square braiding**

Diameter : 7 – 50 mm  
Length : 100 – 15 m

**PROMAGLAF® HTK Sleeves** are produced by braiding the yarn into a hollow sleeve.

Diameter : 8 to 50 mm  
Length : 25 m

**PROMAGLAF® HTK fabrics and tapes** are woven textile products produced in several widths and thicknesses.

'Ladder tapes' are also available. This type of tape has a ladder like structure for easy installation around among others bolts. All the tapes are also available on request with a self-adhesive layer.

**PROMAGLAF® HTK tape**

Thickness : 2 – 3 – 5 mm  
Width : 10 to 160 mm  
Length : 50 m

**PROMAGLAF® HTK fabric**

Thickness : 2 – 3 mm  
Width : 1000 mm  
Length : 30 m