

Ceramic fibre products

SILCAFLEX Textiles

SILCAFLEX textiles consist of long-fibre ceramic fibres which are processed into the following products:

- SILCAFLEX cords
- SILCAFLEX gaskets
- SILCAFLEX tapes
- SILCAFLEX woven material
- SILCAFLEX ropes

In the manufacturing process organic supporting material, e.g. cotton, is added. In addition to this supporting material which escapes under temperature loading, a fine chromium-nickel wire or a fine glass core filament is used for reinforcement.

SILCAFLEX textiles are light in weight, flexible and have good thermal insulation properties. They are resistant to most chemicals. Exceptions are particular hydrofluoric acid and phosphoric acid as well as concentrated alkalis.

Note:

Our EG safety data sheet will inform you on the protective measures to be taken when handling ceramic fibres as well as on the related health risks.

All SILCAFLEX cords, gaskets and tapes are also available in our organically soluble variant SILCAWOOL 120. For the technical details of the base material please see our data sheet No. 51.7.



SPECIAL FEATURES

- resistant to high temperatures
- outstanding resistance to temperature changes
- high flexibility
- good thermal insulation properties
- high chemical resistance
- low shot content

Material designation	SILCAFLEX 110-30K	SILCAFLEX 126K
Classification temperature of the base material	1.260 °C	
Decomposition of the organic supporting material	from 200 °C	
Application temperature of the chromium steel wire	max. 1.050 °C	
Application temperature of the glass core filament	max. 650 °C	

The properties indicated are typical values obtained in serial testing and determined by acknowledged test methods. Product specific spreading of results should be taken into account. The indications do not represent guaranteed properties and cannot be used for any warranty claim. Subject to technical modifications.

SILCAFLEX Textiles

SILCAFLEX 126K ropes

Loosely twisted with chromium wire or glass core filament

Dimensions	Roll length
Ø 3 mm	200 m
Ø 4 mm	150 m
Ø 5 mm	100 m
Ø 6 mm	100 m
Ø 8 mm	100 m
Ø 10 mm	100 m
Ø 12 mm	100 m
Ø 15 mm	50 m
Ø 20 mm	50 m
Ø 25 mm	50 m
Ø 30 mm	25 m
Ø 40 mm	20 m
Ø 50 mm	10 m
Special dimensions and blanks available on request	

SILCAFLEX 126K braided packings

Braided with chromium wire or glass core filament

Braided packing round

Dimensions	Roll length
Ø 5 mm	100 m
Ø 6 mm	100 m
Ø 8 mm	100 m
Ø 10 mm	50 m
Ø 12 mm	50 m
Ø 15 mm	50 m
Ø 20 mm	30 m
Ø 25 mm	30 m
Ø 30 mm	10 m
Ø 40 mm	10 m
Ø 50 mm	10 m
Ø 60 mm	10 m
Special dimensions and blanks available on request	

SILCAFLEX 126K braided packings

Braided with chromium wire or glass core filament

Braided packing square

Dimensions	Roll length
5 x 5 mm	100 m
6 x 6 mm	100 m
8 x 8 mm	100 m
10 x 10 mm	50 m
12 x 12 mm	50 m
15 x 15 mm	50 m
20 x 20 mm	30 m
25 x 25 mm	30 m
30 x 30 mm	10 m
35 x 35 mm	10 m
40 x 40 mm	10 m
50 x 50 mm	10 m
60 x 60 mm	10 m
Special dimensions and blanks available on request	

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SILCAFLEX Textiles

SILCAFLEX 126K tapes

Woven tapes with 2 firm selvages and chromium wire or glass core filament

Tapes

Nominal thickness	Width	Roll length
2 mm	10, 15, 20, 25, 30, 40, 50, 60, 75, 80, 100, 120, 150, 200 mm	25 m
3 mm	10, 15, 20, 25, 30, 40, 50, 60, 75, 80, 100, 120, 150, 200 mm	25 m
5 mm	15, 20, 25, 30, 40, 50, 60, 75, 80, 100, 120, 150, 200 mm	25 m
Special dimensions and blanks available on request		

SILCAFLEX 126K woven material

Woven material with chromium wire or glass core filament

Woven material

Nominal thickness	Width	Roll length
2 mm	1 m	30 m
3 mm	1 m	30 m
Special dimensions and blanks available on request		

SILCAFLEX 110-30K ropes

Ropes with chromium wire or glass core filament

Ropes

Dimensions	Roll length
Ø 15 mm	25 m
Ø 20 mm	25 m
Ø 25 mm	25 m
Ø 30 mm	25 m
Ø 35 mm	25 m
Ø 40 mm	25 m
Ø 50 mm	25 m
Ø 60 mm	25 m

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