

Textiles based on aluminium silicate wool

SILCAFLEX textiles

110-30K, 126K

SILCAFLEX textiles are produced from long-fibre aluminium silicate wool which is processed into the following products:

- SILCAFLEX ropes
- SILCAFLEX braided packings
- SILCAFLEX tapes
- SILCAFLEX woven material
- SILCAFLEX sealing cords

In the manufacturing process organic supporting material, e.g. cotton, is added. In addition to this supporting material which escapes when the temperature is raised, 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 hydrofluoric acid and phosphoric acid as well as concentrated alkalis.

Note:

Our EC safety data sheet will inform you about the protective measures to be taken when handling and using aluminium silicate wool as well as the 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

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

The mentioned properties mentioned are typical values obtained according to the listed methods. Product variations have to be taken into account. The data do not represent guaranteed properties and cannot be used for any warranty claim. Data are subject to technical modifications.

SILCAFLEX textiles

110-30K, 126K

SILCAFLEX 126K ropes

Loosely twisted with chromium wire or glass core filament (round)

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 (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	

SILCAFLEX 126K braided packings

Braided with chromium wire or glass core filament (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 textiles

110-30K, 126K

SILCAFLEX 126K tapes

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

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

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, wide-mesh or close-mesh braiding with soft filling

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

