



4AC.002 Tape – Silicate - Untreated

Overview

Silicate fibres are inorganic and don't contain toxic substances. Therefore, they are an excellent alternative to ceramic fibres with their strong thermal and mechanical properties. With a diameter of 9 µm, these fibres pose no health risk when handling and can withstand high temperatures better than glass or basalt. The tapes are available with or without adhesive.

Technical Data

Properties		Unit	Value	
Material			Silicate	
Declination			S92	S94
Composition		%	SiO ₂ : 94.5 Al ₂ O ₃ : 4.5 NaO ₂ : < 0.5 Other: < 0.5	SiO ₂ : 94-96 Al ₂ O ₃ : < 4 Other: < 2
Temperature	Operating	°C	1,000	1,050
	Peak		1,200	1,200

General Data

Material	Thermal resistivity	Mechanical strength	Chemical resistance
Silicate	★★★★★	★★★★☆	★★★★☆ Except for hydrofluoric acid

Applications

- Insulation of cables
- Insulation of pipes
- Electrical insulation
- Heat protection



Available S92 tapes

Thickness (mm) \ Width (mm)	2	3	4	5
10	1TEX008372	On request	On request	On request
15	1TEX008375	On request	On request	On request
20	1TEX001704	1TEX001718	On request	On request
25	1TEX001705	1TEX001719	On request	On request
30	1TEX001706	1TEX001720	On request	On request
40	1TEX001707	1TEX001721	On request	1TEX008962
50	1TEX001708	1TEX001722	On request	On request
60	1TEX001709	1TEX001723	On request	On request
70	1TEX001710	1TEX001724	On request	On request
80	1TEX001711	1TEX001725	On request	On request
100	1TEX001712	1TEX001726	1TEX015050	1TEX007566
110	1TEX008623	On request	On request	On request
120	1TEX001713	1TEX001727	On request	On request
150	1TEX001714	1TEX001728	On request	On request
200	1TEX001715	1TEX001729	On request	On request
250	1TEX001716	1TEX001730	On request	On request
300	1TEX001717	1TEX001731	On request	On request

Available S94 tapes

Thickness \ Width	0.7	2	3
10	On request	On request	1TEX002730
20	1TEX002731	1TEX002740	1TEX002749
25	1TEX002732	1TEX002741	1TEX002750
30	1TEX002733	1TEX002742	1TEX002751
40	1TEX002734	1TEX002743	1TEX002752
50	1TEX002735	1TEX002744	1TEX002753
60	1TEX002736	1TEX002745	1TEX002754
70	1TEX002737	1TEX002746	1TEX002755
80	1TEX002738	1TEX002747	1TEX002756
100	1TEX002739	1TEX002748	1TEX002757

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