



4AC.045 Sleeve – Silicate

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. In addition to being excellent low-density thermal insulators, silicate fibre sleeves are fireproof and have a low coefficient of thermal expansion, even at very high temperatures.

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 : 94-94 Asbestos-free
Temperature	Operating	°C	1,000	
	Peak		1,100	

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
- Alternative to asbestos products



Available S92 sleeves

Sleeve S92	
Inner diameter (mm)	Internal reference
4	1TEX010503
8	1TEX001401
10	1TEX001402
12	1TEX001403
15	1TEX001404
20	1TEX001405
25	1TEX001406
30	1TEX001407
35	1TEX001408

Sleeve S92	
Inner diameter (mm)	Internal reference
40	1TEX001409
45	On request
50	1TEX001410
60	1TEX001411
70	On request
75	1TEX003845
80	On request
100	1TEX005645

Available S94 sleeves – Dielectric

Sleeve S94	
Inner diameter (mm)	Internal reference
1	1TEX001574
1,5	1TEX001575
2	1TEX001576
3	1TEX001577
4	1TEX001578
5	1TEX001579
6	1TEX001580
8	1TEX001581
10	1TEX001582
12	1TEX001583

Sleeve S94	
Inner diameter (mm)	Internal reference
14	TEX001584
15	1TEX001585
16	TEX001586
20	1TEX001587
25	1TEX001588
30	1TEX001589
40	1TEX001590
50	1TEX001591
65	1TEX001592

Available S94 sleeves – Non dielectric

Sleeve S94	
Inner diameter (mm)	Internal reference
10	1TEX001371
12	1TEX001372
14	1TEX001373
15	1TEX001374
20	1TEX001375

Sleeve S94	
Inner diameter (mm)	Internal reference
25	TEX001376
30	1TEX001377
40	TEX001378
50	1TEX001379

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