



4AC.082 Twisted rope – 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.

Technical Data

Properties		Unit	Value
Material			Silicate
Composition		%	SiO ₂ : 94.5 Al ₂ O ₃ : 4.5 NaO ₂ : < 0.5 Others: < 0.5
Temperature	Operating	°C	1,000
	Peak		1,200

General Data

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

Applications

- Sealing joint
- Heat protection

Available twisted ropes

Section (mm)	Internal reference
3	1TEX001394
4	1TEX001395
5	1TEX001396
6	1TEX001397
8	1TEX001398
10	1TEX001399
12	1TEX001400

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