



## 4AC.096 Loose fibre – Silicate

### Overview

Silicate fibres are inorganic and don't contain toxic substances. Therefore, they are a reliable alternative to ceramic fibres with their good 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 <sub>2</sub> : > 93.5 Al <sub>2</sub> O <sub>3</sub> : 4.0 ± 0.4 NaO <sub>2</sub> : < 0.8
Temperature	Operating	°C	1,100
	Peak		1,200

### General Data

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

### Available fibres

Length (mm)	Internal reference
5 (milled)	1TEX002094
6 (chopped)	1TEX002092

The physical properties in this documentation are provided for informational purposes only and do not constitute a contractual commitment. Please contact our technical service if you require any additional information.