



## 4AC.064 Twisted rope – Biosoluble

### Overview

Biosoluble fibre is non-carcinogenic and a safe alternative to asbestos, ceramic fibre and mineral fibre. Its composition enables its dissolution by physiological fluids, allowing pulmonary elimination. Our biosoluble fibre products are free of chemical binder and excellent insulators although fragile. The twisted ropes are reinforced with E-glass fibre or heat-resistant steel and offer better mechanical properties and thermal resistance of 650 °C and 1,050 °C respectively.

### Technical Data

Properties		Unit	Value	
<b>Material</b>			Biosoluble with glass reinforcement	Biosoluble with stainless-steel reinforcement
<b>Composition</b>		%	SiO <sub>2</sub> : 62 – 68 CaO: 26 – 32 MgO: 3 – 7 Others: < 1	
<b>Temperature</b>	Operating	°C	650	1,050
	Peak		750	1,150

### General Data

Material	Thermal resistivity	Mechanical strength	Chemical resistance
Biosoluble	★★★★☆	★★★☆☆	★★★☆☆

### Applications

- Insulation of industrial furnace
- Insulation of boilers
- Insulation of pipes
- Insulation gasket
- Insulation of cables



## Biosoluble twisted rope

### Available twisted ropes

Section (mm)	With stainless-steel reinforcement	With glass reinforcement
3	1TEX001426	1TEX001412
4	1TEX001427	1TEX001413
5	1TEX001428	1TEX001414
6	1TEX001429	1TEX001415
8	1TEX001430	1TEX001416
10	1TEX001431	1TEX001417
12	1TEX001432	1TEX001418
15	1TEX001433	1TEX001419
20	1TEX001434	1TEX001420
25	1TEX001435	1TEX001421
30	1TEX001436	1TEX001422
35	1TEX001437	1TEX001423
40	1TEX001438	1TEX001424
50	1TEX001439	1TEX001425

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