



## 4AC.075 Braided 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 braided 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	
Material			Biosoluble with glass reinforcement	Biosoluble with stainless-steel reinforcement
Composition		%	SiO <sub>2</sub> : 62 - 68 CaO: 26 - 32 MgO: 3 - 7 Others: < 1	
Temperature	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 braided rope****Available square braided ropes**

Section (mm x mm)	With stainless-steel reinforcement	With glass reinforcement
5 x 5	1TEX004487	1TEX004504
6 x 6	1TEX002705	1TEX004508
8 x 8	1TEX004488	1TEX004510
10 x 10	1TEX002700	1TEX004511
12 x 12	1TEX004489	1TEX004512
15 x 15	1TEX004490	1TEX004513
18 x 18	1TEX004491	1TEX004514
20 x 20	1TEX004492	1TEX004515
22 x 22	1TEX004493	1TEX004516
25 x 25	1TEX004494	1TEX004517
28 x 28	1TEX004496	1TEX004518
30 x 30	1TEX004498	1TEX004519
35 x 35	1TEX004500	1TEX004521
40 x 40	1TEX004501	1TEX004037
50 x 50	1TEX004502	1TEX004522
60 x 60	1TEX004503	1TEX004523

**Available round braided ropes**

Section (mm)	With stainless-steel reinforcement	With glass reinforcement
5	1TEX003303	TEX004524
6	1TEX004542	1TEX004525
8	1TEX004543	1TEX004526
10	1TEX004545	1TEX004529
12	1TEX004547	1TEX004530
15	1TEX004549	1TEX004531
20	1TEX004551	1TEX004532
22	1TEX004552	1TEX004533
25	1TEX004553	1TEX004534
30	1TEX004554	1TEX004535
35	1TEX004555	1TEX004536
40	1TEX004556	1TEX004538
50	1TEX004558	TEX004540
60	1TEX004559	TEX004541

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