



## 4AC.055 Fabric – 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 binders and are excellent insulators, although fragile. The fabrics are reinforced with E-glass fibre or heat-resistant steel and offer better mechanical properties as well as thermal resistance of 650 °C and 1,050 °C respectively.

Biosoluble fibre fabrics are available in thickness of 2 and 3 mm. During their manufacture, they are thermally treated to reduce airborne fibres and dust.

### 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>	<b>Operating</b>	°C	650	1,050
	<b>Peak</b>		750	1,150

### General Data

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

### Applications

- Insulation of pipes and exhausts
- Electrical insulation
- Metal working
- Insulation of furnaces



**Available fabrics with glass reinforcement**

Basis weight (g/m <sup>2</sup> ) \ Thickness (mm)	2	3
	1,000	On request
1,500		1TEX016063

**Available fabrics with stainless-steel reinforcement**

Basis weight (g/m <sup>2</sup> ) \ Thickness (mm)	2	3
	1,000	On request
1,500		1TEX002729

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