



4AC.083

Paper – Biosoluble – Untreated

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. Biosoluble fibre papers are flexible, easy to cut and to install. They offer thermal resistance to operating temperatures up to 1,200 °C. These papers contain organic binders, which improve the product’s flexibility.

Technical Data

Properties		Unit	Value
Material			Biosoluble
Composition		%	SiO ₂ : 70 – 80 MgO: 18 – 27 Other: < 4
Temperature	Operating	°C	1,200
	Classification		1,260
Density		Kg/m ³	140 – 160

Temperature	Thermal Conductivity (W/mK)
400 °C	0.08
600 °C	0.11
800 °C	0.16
1.000 °C	0.21

General Data

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



Applications

- High-temperature gaskets and packings
- Insulation of ingot moulds
- Heat shield for the motor industry
- Molten metal transfer system (second-rate insulation)
- Insulating envelopes for the protection of nozzles in the steel industry

Available papers

Thickness (mm) \ Width (mm)	610	1,000	1,260
1	1TEX002593	On request	On request
2	1TEX002594	On request	On request
3	1TEX002595	On request	On request
4	1TEX002596	On request	On request
5	1TEX002597	On request	On request
6	1TEX002598	On request	On request

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