



4AC.006 Tape – 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 tapes 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.

Technical Data

Properties		Unit	Value	
Material			Biosoluble with glass reinforcement	Biosoluble with stainless-steel reinforcement
Composition		%	SiO ₂ : 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 pipes and exhausts
- Electrical insulation
- Metal working
- Insulation of furnaces

**Available tapes with glass reinforcement**

Thickness (mm) \ Width (mm)	2	3	5
10	1TEX001498	1TEX001426	On request
15	1TEX001499	1TEX001427	1TEX001554
20	1TEX001500	1TEX001528	1TEX001555
25	1TEX001501	1TEX001529	1TEX001556
30	1TEX001502	1TEX001530	1TEX001557
40	1TEX001503	1TEX001531	1TEX001558
50	1TEX001504	1TEX001532	1TEX001559
60	1TEX001505	1TEX001533	1TEX001560
75	1TEX001506	1TEX001534	1TEX001561
80	1TEX001507	1TEX001535	1TEX001562
100	1TEX001508	1TEX001536	1TEX001563
120	1TEX001509	1TEX001537	On request
150	1TEX001510	1TEX001538	On request
200	1TEX001511	1TEX001539	On request

Available tapes with stainless-steel reinforcement

Thickness (mm) \ Width (mm)	2	3	5
10	1TEX001512	1TEX001540	On request
15	1TEX001513	1TEX001541	1TEX001564
20	1TEX001514	1TEX001542	1TEX001565
25	1TEX001515	1TEX001543	1TEX001566
30	1TEX001516	1TEX001544	1TEX001567
40	1TEX001517	1TEX001545	1TEX001568
50	1TEX001518	1TEX001546	1TEX001569
60	1TEX001519	1TEX001547	1TEX001570
75	1TEX001520	1TEX001548	1TEX001571
80	1TEX001521	1TEX001549	1TEX001572
100	1TEX001522	1TEX001550	1TEX001573
120	1TEX001523	1TEX001551	On request
150	1TEX001524	1TEX001552	On request
200	1TEX001525	1TEX001553	On request

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.