



4AC.046 Sleeve – 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 sleeves 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 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
- Insulation of exhausts
- Insulation of electrical cables



Available sleeves

| Inner diameter (mm) | With stainless-steel reinforcement | With glass reinforcement |
|---------------------|------------------------------------|--------------------------|
| 8 | On request | On request |
| 10 | 1TEX001452 | 1TEX001440 |
| 12 | 1TEX001453 | 1TEX001441 |
| 15 | 1TEX001454 | 1TEX001442 |
| 20 | 1TEX001455 | 1TEX001443 |
| 25 | 1TEX001456 | 1TEX001444 |
| 30 | 1TEX001457 | 1TEX001445 |
| 35 | 1TEX001458 | 1TEX001446 |
| 40 | 1TEX001459 | 1TEX001447 |
| 50 | 1TEX001460 | 1TEX001448 |
| 60 | 1TEX001461 | 1TEX001449 |
| 70 | 1TEX001462 | 1TEX001450 |
| 80 | 1TEX001463 | 1TEX001451 |

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