



4AC.080 Twisted ropes – Glass

Overview

E-glass fibre stands out for its resistance to high temperatures and its great electrical insulation properties. This rot-proof and dimensionally stable material also resists the main chemical agents, even with strong variations in humidity and temperature.

These products are used as high-temperature gaskets for industrial furnaces and chimneys.

Technical Data

| Properties | | Unit | Value | | |
|-------------|-----------|------|--|---|---|
| Material | | | Glass | | |
| Composition | | % | SiO ₂ : 52-56 CaO: 16-25 Al ₂ O ₃ : 12-16 | B ₂ O ₃ : 5-10 MgO: ≤ 5 Na ₂ O+K ₂ O: ≤ 1 | F ₂ : ≤ 1 Fe ₂ O ₃ : ≤ 0.4 TO ₂ : ≤ 0.8 |
| Temperature | Operating | °C | 550 | | |
| | Peak | | 700 | | |

General Data

| Material | Thermal resistivity | Mechanical strength | Chemical resistance |
|----------|---------------------|---------------------|--|
| Glass | ★★★★☆ | ★★★★☆ | ★★★★☆ Except for phosphoric and hydrofluoric acid |

Available twisted ropes

| Section (mm) | Internal reference | Section (mm) | Internal reference |
|--------------|--------------------|--------------|--------------------|
| 3 | 1TEX001678 | 18 | 1TEX001686 |
| 4 | 1TEX001679 | 20 | 1TEX001687 |
| 5 | 1TEX001680 | 25 | 1TEX001688 |
| 6 | 1TEX001681 | 30 | 1TEX001689 |
| 8 | 1TEX001682 | 35 | On request |
| 10 | 1TEX001683 | 40 | 1TEX001690 |
| 12 | 1TEX001684 | 50 | 1TEX001691 |
| 15 | 1TEX001685 | 60 | On request |

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