



## Textile fibre cord

|                             |   |
|-----------------------------|---|
| <b>Article description:</b> | T100, T126  |
| <b>Article forms:</b>       | Round or square   |
| <b>Preparations:</b>        | With or without any additionally preparations   |
| <b>Materials:</b>           | Textile staple fibre based on an amorphous Al <sub>2</sub> O <sub>3</sub> modified polysilicic acid or polysilicic anhydride<br>Also metal reinforced |

### Environment and occupational safety:

- Protects the environment and resources
- Simple and safe handling
- Not respirable, not dangerous

### Mechanical properties:

- Uniform fibre diameter
- Lower density compared to E-glass fibres
- High tensile strength
- Shrinkage at 1000 °C approx. 6 %

### Thermal properties:

#### Textile staple fibre

- Heat- and flame-resistant
- Non- flammable
- Low heat conductance
- High heat reflection
- Max. continuous temperature depending on the type of fibre:
  - BELCOTEX 110: 1050 °C

### Chemical properties:

- Free from organic binders
- Without size
- Resistant to organic compounds, water
- Resistant to hot, concentrated acids and cold, diluted alkalis
- Not resistant to hydrofluoric acid (HF) and phosphoric acid (H<sub>3</sub>PO<sub>4</sub>)

### Application:

The sealing and insulating cords made of this fibre are used for insulation and insulation, filtration and sealing applications, fibre-reinforced plastics, as thermal-acoustic insulation as well as for heat and fire protection or as heat treatment in the steel and iron industry.

### Approvals:

- Non-combustibility test according to IMO 2010 FTP Code Part 1 [Resolution MSC.307(88)], ISO 1182

**Dimension:** 4 - 40 mm (tolerances +/- 10 %) \*  
\* Other dimensions on request

*The above information is based on the current state of our knowledge of the product and is made to the best of our knowledge and belief. A warranty claim cannot be derived from this information. All previous issues hereby lose their validity.*