

# thoenes

Textile fibre cord

Article description: T100, T126

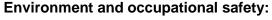
Article forms: Round or square

**Preparations:** With or without any additionally preparations

Materials: Textile staple fibre based on an amorphous Al<sub>2</sub>O<sub>3</sub> modified

polysilicic acid or polysilicic anhydride

Also metal reinforced



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

# 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

### Mechanical properties:

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

#### 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:

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- 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.