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_2O_3 modified polysilicic acid or polysilicic anhydride 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
  - BELCOTEX 225: 1150 °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_3PO_4)

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