

WOVEN E-GLASS FIBRE TAPE – 550°C

Woven tape is produced by weaving a number of yarns. The width and thickness are determined by the number and thickness of the yarns used.

Woven e-glass tape is a soft resilient product, available in a number of different thicknesses and constructions to provide a comprehensive HT range made from texturized, continuous E-Glass fibre filaments up to a maximum of 9 microns. These fibres cause considerably less irritation of the skin than coarser fibres.

Woven “ladder tapes” are also available. This type of webbing has regular perforations in the middle, to produce a ladder like structure.

Chemical properties

WOVEN E-GLASS TAPE exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. No water of hydration is present. Excellent die-electrical strength.

Availability

WOVEN E-GLASS TAPE is available in the following thicknesses: 2 – 5 mm, width 10 – 200 mm. Other sizes available on request. The webbing can be supplied with self adhesive backing, or with various special coatings. All E-Glass products are also available in a black version which is made by a colourfast lubricant.

Applications

- Fire-resistant curtains
- Protective clothing
- Controlled cooling of castings
- Insulation of gas and steam turbines
- Welding curtains
- Insulation linings
- Wrapping of exhausts
- Flange jointing with opening for bolts (“ladder tapes”)
- Radiant heat shields

Typical physical properties

| | | | |
|----------------------|---|-----------|-------------------|
| Average density | : | 600 – 800 | kg/m ³ |
| Colour | : | White | |
| Basic composition | : | Silica | |
| Continuous use limit | : | 550 | °C |
| Melting point | : | 840 | °C |