

KERAMAB® CERAMIC FIBRE WEBBING (TAPE) - 1260°C

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

Keramab® tape is a soft resilient product, available in a number of different thicknesses and constructions to provide a comprehensive HT range. Keramab® tape is reinforced with glass or metal wire and contains approximately 20% organic carrier fibre to facilitate the carding process. The carrier fibre burns out at a low temperature, but this has no effect on the properties of the ceramic fibre.



Ladder tapes are also available. This type of webbing has regular perforations in the middle, one-third of the width, to produce a ladder like structure. The webbing can be supplied with self-adhesive backing, with various special coatings and also with one side aluminium foil (radiation temperature 1000°C).

Chemical Properties

Keramab® tape exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. It also resists oxidation and reduction. If wet by water or steam, thermal and physical properties are completely restored upon drying. No water of hydration is present.

Availability

Keramab® tape is available in the following thicknesses : 2-10 mm, width 10-200 mm. Other sizes available on request.

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 openings for bolts (ladder tapes)
- Radiant heat shields

Typical Physical Properties

Average density	500 - 850 kg/m ³
Colour	White
Basic Composition	Alumina-Silica
Melting Point	1790°C