

KERAMAB® TWISTED CERAMIC FIBRE ROPE - 1260°C

Twisted Rope is produced from a number of yarns, twisted together. The diameter of the rope is determined by the number and thickness of the yarns used.

Keramab® Twisted Rope is a soft, resilient product and can be enclosed in wire mesh or Keramab cloth to make gaskets and other seals. When the rope is coated with graphite, an increase in lubricity results.

Keramab® Twisted Rope is reinforced with glass (650°C) or metal wire (1050°C) 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.

Chemical Properties

Keramab® Twisted Rope 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® Twisted Rope is available in the following diameter sizes : 3-50 mm.

Applications

- Door seals for stoves and ovens
- Door seals for coke furnaces (steel industry)
- Thermal insulation of electrical wiring
- With additional braiding: seals of inspection doors
- With special impregnation: gastight seal of boiler sections
- Wrapping round pipes (thermal insulation)

Typical Physical Properties

Average density	500 kg/m ³
Colour	White
Basic Composition	Alumina-Silica
Continuous Use Limit	Reinforced with glass : 650°C
Reinforced with metal wire	: 1050°C
Melting Point	1790°C