



TECHNICAL DATA SHEET

HIGH TEMPERATURE CERAMIC ROPE



ROUND TYPE



SQUARE TYPE



TWISTED

Ceramic Fiber Rope is made from high quality ceramic fiber bulk, adding light yarn through special technology. It can be divided into twisted rope, square rope and round rope. According to different working temperature and applications to add glass filament and inconel as reinforced materials, it is typically used in high temperature and high pressure pump and valve as seals, mainly for insulation application.

APPLICATION

- Furnace doors insulation and seals
- Expansion joint filling in furnace and boiler
- Insulation of pipe line/ Exhaust and pipe line expansion joints
- High temperature gasket flange seals
- Radiant tube packing heat treatment furnace
- Packed between steel bar and tube to avoid leakage of melting liquid

PROPERTIES

Color :White

Chemical Composition :70% Al, 30% SiO₂

Density :0.6to0.8 g/cc

Weave Style :Braided / Twisted

Sizes available :3 mm to 100 mm
(as per client requirement)

Packing Available in meter or kg

SERVICE CONDITIONS

- Low thermal conductivity
- Excellent thermal shock resistance, thermal stability
- Excellent tensile strength
- High Thermal Insulation Property
- Non-toxic, non-hazardous and environment friendly
- Easy cut and easy stall
- Containing no asbestos
- Chemical corrosion resistance

SPECIFICATION:

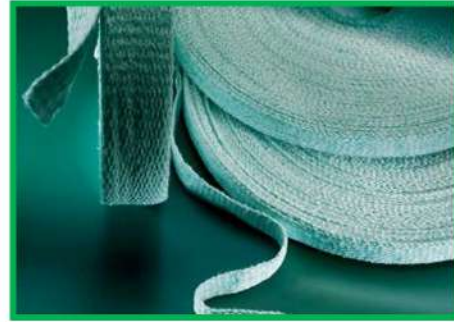
Max Continuous Temperature: 1250°C

Melting Temperature : 1800°C



TECHNICAL DATA SHEET

CERAMIC TAPE WITH E GLASS CORE



CERAMIC FIBRE TAPE WITH E GLASS CORE CT-E-333

The E glass filaments are given special high temperature coating and are thoroughly jacketed with ceramic fibrils. Texturised for suppleness and impregnation.

- Temperature limit 800°C brief peaks upto 1000°C
- Incombustible to DIN 4102
- Loss on ignition 3%
- Does not contain any toxic nor heavy metals.
- Melting Point > 1790°C
- Average Density 500-850 kg/m³

APPLICATIONS:

- Fire-resistant curtains
- Protective clothing
- Controlled cooling of castings
- Insulation of gas and steam turbines
- Welding curtains
- Cable & fuel line protection
- Wrapping of exhausts
- Flange jointing with openings for bolts ("ladder tapes")

AVAILABLE SIZES:

Thickness	2mm(0.079"), 3mm(0.118"), 6mm(1/4")								
Width	mm	25	30	40	50	60	75	80	100
	inch	0.984	1.181	1.575	1.969	2.362	2.953	3.150	3.937
15 meters (16.40 yard)									

Availability: Multi-layers for custom thickness