

Ceramic Fibre Tapes

Webbing and Ladder Tapes

Webbing and ladder tapes are suited for high temperature low pressure applications where poor flanges or low bolt loadings are present. Typical applications are for ductwork flange gasketing, furnace / boiler door seals and cable and pipe protection.

Construction

Ceramic fibre woven webbing and ladder tapes are manufactured from high performance ceramic fibre yarns reinforced with either a wire or glass filament. Ceramic fibre yarns are produced on traditional textile machinery by carding high purity 1260°C ceramic fibres with a percentage of cellulose fibre to assist in the processing. The yarns are then spun and combined with the relevant reinforcing media to improve the tensile strength at extended temperatures. The organic content will burn off at temperatures above 200°C without affecting the properties of the ceramic fibre adequate ventilation should be provided during this initial heating.

Where tensile strength is important the temperature limitations of the reinforcing media should be considered.

The Klinger group has been recognised as the market leader in gaskets and sealing for over a century. Our research and development laboratories have investigated over 250 different fibre forms in the search for asbestos free alternatives. The search has resulted in a range of high quality and high performance asbestos free materials that have been proven in service

General Properties

- Suitable for ductwork flange gasketing, furnace / boiler door seals and cable and pipe protection
- Colour White

Ceramic Fibres

- Ceramic fibres are non combustible
- Suitable for temperatures up to 1260° C (material max temp dependent on reinforcement).

Reinforcement Temperature Limitations:

Glass Filament	Suitable up to 550°C
Nickel Chrome wire	Suitable up to 1091° C

Chemical Resistance

Ceramic fibres are resistant to oils, solvents and most chemicals, however contact with Phosphoric, Hydrofluoric acids and strong alkalis should be avoided.

Availability

- 15mm to 100mm thick x 3mm thick coils
- 25mm to 100mm thick x 6mm thick coils



Certificate No. FM 10571

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