



Product Data

Ceramic Fibre Braided Packing

Round and Square Sections

Construction:

Saveguard Braided packings are manufactured from high performance C- Tex ceramic fibre yarns re-inforced with either a wire or glass filament. Braids are available in round or square section and with a soft or firm core. C- Tex yarns are produced on traditional textile machinery by carding high purity 1260 grade ceramic fibres with a percentage of cellulose fibre to assist in the processing. The yarns are spun and combined with the relevant re-inforcing 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 however adequate ventilation should be provided during this initial firing. Where tensile strength is important the temperature limitations of the re-inforcing media should be considered.

Properties:

Ceramic Fibres are: suitable for use at temperatures up to 1260C dependant on application
 resistant to most chemicals except Phosphoric, Hydrofluoric acids and strong alkalis
 are non combustible.
 have a low thermal conductivity
 resistant to thermal shock

Re-inforcements
Temp Limitations:

E' Glass filament Suitable for temperatures up to 550 °C
 Nickel Chrome Alloy Wire 601 Suitable for temperatures up to 1091°C
 Chrome Steel Wire Suitable for temperatures up to 1000°C

Chemical:Properties

Alumino-Silicate Al₂O₃ 46%
 80%
 SiO₂ 53%
 Cellulose 20% tolerance +/- 5%

Availibility

Weight per metre	6 mm	8 mm	10 mm	12 mm	15 mm	20 mm	25 mm	30 mm	40 mm	50 mm
Square gm	28	45	75	100	150	260	380	530	960	1500
Round gm	26	36	55	65	120	220	320	445	800	1200
Coil Length in Metres	100	100	100	50	50	25	25	20	10	10

Typical
Applications:

Bulb material for Tadpole seals
 Furnace, Boiler Door Seals

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