



Product Data

Ceramic Fibre Twisted Ropes

Construction:

Saveguard Twisted Ropes are manufactured from high performance C-Tex ceramic fibre yarns, re-inforced with either a wire or glass filament. 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 then 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 1260 C 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
Stainless Steel Alloy Wire suitable for temperatures up to 1091 C
601
Chrome Steel Wire suitable for temperatures up to 1000 C

Availability

Diameter	3mm	4mm	6mm	9mm	12mm	20mm	25mm
Coil Length in metres	200	150	100	50	50	50	25
Grammes per metre	3	4.5	14	22	53	100	195

Chemical:

Alumino-Silicate 80% Al₂O₃ 46%
 SiO₂ 53%

Cellulose 20%
Tolerance +/- 5%

Typical Applications:

Bulb material for Tadpole Seals
Furnace, Boiler Door Seals
Launder Section Seals

Issue No:	1	Page: 1 of 1	Dated:	13th April 1999	File Ref:	prodata/ropes/ceramic/ceratwis	.pub
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