



DATA SHEET

CERAMIC FIBRE TEXTILE (CLOTH, TAPE, BRAIDED ROPE, TWISTED ROPE, SQUARE ROPE, TUBE)

DESCRIPTION

Producing Technology

Cloth: Ceramic Fibre Cloth is a high temperature fabric made from ceramic yarn, available in a number of different thickness and construction to provide a comprehensive high temperature range. Optionally reinforced with either filament or inconel wire.

Tape: Ceramic Fibre Tape is manufactured from ceramic fibre yarn which is reinforced with either filament or inconel wire.

Braided Rope: Ceramic Fibre Braided Rope consists of a strip of ceramic blanket which is overbraided with glass yarn inconel wire around them.

Twisted Rope: Ceramic Fibre Twisted Rope is made by a certain number of strands of ceramic yarn twisted tightly together to form a rope with high tensile strength. Optionally reinforced with glass filament or inconel wire.

Square Rope: Ceramic Fibre Square Rope is braided by ceramic yarn in square sections. Optionally reinforced with glass filament or inconel wire.

Tube: Ceramic Fibre Tube is braided by ceramic yarn in tube section. Optionally reinforced with glass filament or inconel wire.

Both the Filament yarn and the Inconel wire are interbraided as the tape is knitted into the required widths. Ceramic Fibre, Fibreglass and Inconel under normal conditions will not emit any harmful or toxic fumes. *However should this material be stuck in place then the adhesive manufacturer should be consulted in regards to their product.* Under normal working practices due to the Micron size of ceramic fibre it is not seen to be hazardous in respiratory systems. Safe working practices would suggest that gloves, eye protection and respiratory mask be used during handling of these products. Ceramic Fibre Textile has excellent thermal resistance properties, chemical stability resistance, high temperature stability, thermal electrical insulation, tensile strength and low thermal conductivity.

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APPLICATIONS

Ceramic Fibre Textile is the substitute for asbestos textile. It is widely used in the fields of metallurgy, chemistry, ceramic, glass, refractory materials, shipbuilding, aerospace, automobile, machinery, electronics, building materials and light industry. Its other application ranges include insulation of high temperature tubes, containers etc., curtains on industrial furnaces, spark protection, door seals on ovens and industrial furnaces, cable protection and fuse lines.

SIZES/AVAILABILITY

Size: 10mm - 120mm x 30m standard. Standard rolls are normally 30m for ease of handling but “Jumbo” rolls are available upon request

PHYSICAL PROPERTIES

ITEM	Cloth LYGX- -208A	Tape LYGX- 208B	Braided Rope LYGX- 208C	Twisted Rope LYGX- 208D	Square Rope LYGX- 208E	Tube LYGX- 208F
Max-temp (°C)	1260	1260	1260	1260	1260	1260
Working Temp (°C)	450 (Glass filament) 1000 (Inconel wire)					
Loss on ignition (800°C)	12±2	12±2	12±2	12±2	12±2	12±2
Tensile Strength	warp, 76kgf/5cm weft, 37kgf/5cm		1.2 kgf/mm	1.2 kgf/mm	1.2 kgf/mm	1.2 kgf/mm
Tensile Strength	2-3	2-3				
Diameter (mm)			6-50	3-50	5x5- 50x50	5-60
Common Specification (mm)	1x30m (length)	Width 10- 120mm Length 30m	Length 20-200m (According diameter)			

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