Ceramic Fiber Textiles (Tape/ Fabric/ Cloth/ Yarn/ Paper/ Rope)

Main products:

- Ceramic Fiber Tape;
- Heat Treated Ceramic Fiber Tape;
- Ceramic Fiber Cloth / Fabric;
- Heat Treated Ceramic Fiber Cloth / Fabric;
- Ceramic Fiber Yarn;
- Ceramic Fiber Paper;
- Ceramic Fiber Braided Square/ Round Rope;
- Ceramic Fiber Rope Lagging / Soft Rope;
- Ceramic Fiber Twisted Rope

The non-asbestos ceramic fiber products are developed as an excellent substitute for ASBESTOS in insulation industry, sealing and refractory, etc.,

with the following properties:

- -Light weight;
- -High temperature resistance (continuous up to 1000°C, max.1260 °C);
- -Low thermal conductivity;
- -Good abrasion resistance;
- -Chemical stability.

Suitable for insulating covering, fireproof/ welding blanket, furnace curtain, fuel ducts/ tank protection, cable covers, cable tray insulation, and extreme low temperature containers heat insulation wrap, etc..

The products are supplied in fabric, tape, sleeve/ tubing, yarn, etc..

Email: chang@mowcoproducts.com Tel: 0086- 755- 8232 7155; 8232 7156
Website: www.mowcoproducts.com Fax: 0086- 755- 8232 7158
Add: 10 D, Block B, Lushan Building, ChunFeng Road, Luo Hu District, Shenzhen, China

Item	Technical data	
Color	White	
$Al_2O_3 + SiO_2$	≥ 96%	
Al_2O_3	≥ 45%	
Fe ₂ O ₃	≤ 1.2%	
Fiber diameter	2 ~ 4µm	
Bulk density	300 ~ 700 kg/ m ³	
Moisture	≤ 1.0%	
Thermal conductivity	0.119 ~ 0.131 w/m.k (300 °C) 0.168 ~ 0.198 w/m.k (1000 °C) 0.128 ~ 0.159 w/m.k (600 °C)	
Heating linear shrinkage	≤ 3.5% (1000 °C x 3 hrs)	
High-temp loss on Ignition	≤ 20%	

Reinforced material Service temperature	Fiberglass yarn Up to 450 °C	Stainless steel wire Up to 1000 °C	
Acid-resistance	50% (72 hours in 1	50% (72 hours in 10% H2SO4 reagent)	
Alkali-resistance	50% (72 hours in 1	50% (72 hours in 10% NaOH reagent)	

- Ceramic Fiber Tape
- Heat Treated Ceramic Fiber Tape

-Reinforced with stainless steel wire or glass fiber; Availability: width 20-150mm; Thickness 1.5~6mm.



- Ceramic Fiber Cloth / Fabric
- Heat Treated Ceramic Fiber Cloth / Fabric

-Reinforced with stainless steel wire or glass fiber; Availability: width 300-1500mm (standard 1000mm); Thickness 1.5~6mm.

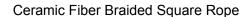


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• Ceramic Fiber Yarn

-Reinforced with stainless steel wire or glass fiber; Availability: 1~5 ply; Tex 400/ 525 / 630 / 780 / 1000 / 2250.

Ceramic Fiber Braided Round Rope







Ceramic Fiber Rope Lagging / Soft Rope

Ceramic fiber rope lagging is manufactured from blown ceramic fibre, with a braided cover. It provides an efficient method of insulating pipework and is suitable for a variety of high temperature sealing and caulking applications, also form into insulation rings employed on industrial and domestic heating appliances, with properties of low thermal conductivity, light weight, and suitable for high temperature, etc..



Ceramic Fiber Twisted Rope

The rope is twisted from ceramic fiber bulk yarn, elastic, suitable for filling and stopping expansion joints between boilers and masonry or brickwork, also insulation for heating pipes. Generally reinforced with stainless steel wire or glass fiber yarn.



Correlative page:

http://www.mowcoproducts.com/ceramic-fiber-textiles.html

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