

บจก.ซีลโปร 472/50 ซ.ราษฎร์อุทิศ58 ถ.ราษฎร์อุทิศ แขวงแสนแสบ เขตมีนบุรี กรุงเทพฯ 10510
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Insulation Products



Ceramics Fiber



www.sealpro.co.th

Direct Line 086-461-9629 Email: sealprocompany@gmail.com



CERAMIC FIBRE PRODUCTS



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CERAMIC FIBER is made from a mixture of silicium oxide and aluminium oxide. Both of these elements are in a very pure form, which is melted in an electric arc resistance furnace. This molten mass is then blown or spun into a fibre.

Ceramic fibres can be spun just like the other fibres. The yarn so obtained can be twisted, intertwined or woven. A small quantity of organic fibers is added to increase mechanical resistance during processing.

Such support vanishes with low temperatures, affecting in no way the ceramic fibres characteristics; only the mechanical resistance is decreased. Ceramic yarn with a glass core reinforced increases its mechanical strength. For a higher tensile strength requirement, ceramic yarns are reinforced either with brass, stainless steel or inconel wires.

CHEMICAL ANALYSIS

Al 2O ₃	approx. 47%
SiO ₂	approx. 52%
Others	approx. 1%

PHYSICAL PROPERTIES

Color	White
Temperature	1260°C
Melting Point	1790°C
Density	2.5 - 2.75 gr/cm ³
Specific Heat	1.05 Kj/KgK
Tensile Strength	50 N/mm ²
Average diameter	3 microns

Ceramic fibres as with other textile fibres, should be processed in such a way that the amount of dust produced is kept to an absolute minimum. If the concentration is too high, the wearing of a mask is recommended. The precautionary measure as particularly advisable when processing free fibres. Because of their structure, finished textile products produce little dust.

- * Low thermal conductivity
- * Excellent resistance to chemical products, with the exception of hydrofluoric acid, phosphoric acid and concentrated bases
- * Good resistance to oxidizing and reducing agents
- * No ignition loss as ceramic fibres do not contain any crystallization water
- * Neither the thermal nor the physical properties are affected by water or steam

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CERAMIC FIBRE BLANKET

STYLE KT 9993

STANDARD SIZE : 7200X610X25 MM.,
3600X610X50MM.

DENSITY : 96, 128, 160 KG/M³

TEMPERATURE : 1260 °C, 1400 °C

APPLICATION RANGE : The material of wall
lines and back lines of industrial furnace and the
sealing and insulating material of expanded
gaps furnace wall furnace

CERAMIC FIBRE BOARD

STYLE KT 9995

STANDARD SIZE : 1000X600X25 MM.,
1000X600X50MM.

DENSITY : 300 KG/M

TEMPERATURE : 1260 °C, 1400 °C

APPLICATION RANGE : The material to
separate every temperature zone in furnace
and the material to keep out the fire

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WOVEN CERAMIC FIBRE TAPES



CERAMIC FIBRE BRAIDED SLEEVE

STYLE KT 7991 Glass wire reinforced

STYLE KT 7992 Inconel wire reinforced

STYLE KT 7993 Inconel wire self adhesive

STYLE KT 7994 Glass wire reinforced Bolt- hole Tapes

STYLE KT 7995 Inconel wire reinforced Bolt-hole Tapes

Dimensions : Width 10-150 mm

Thickness 2-5 mm

Length 30 Metres/roll

**Applications : Between steel profiles of ovens winding
around pipes, Bolt-hole Tapes to place over bolts.**

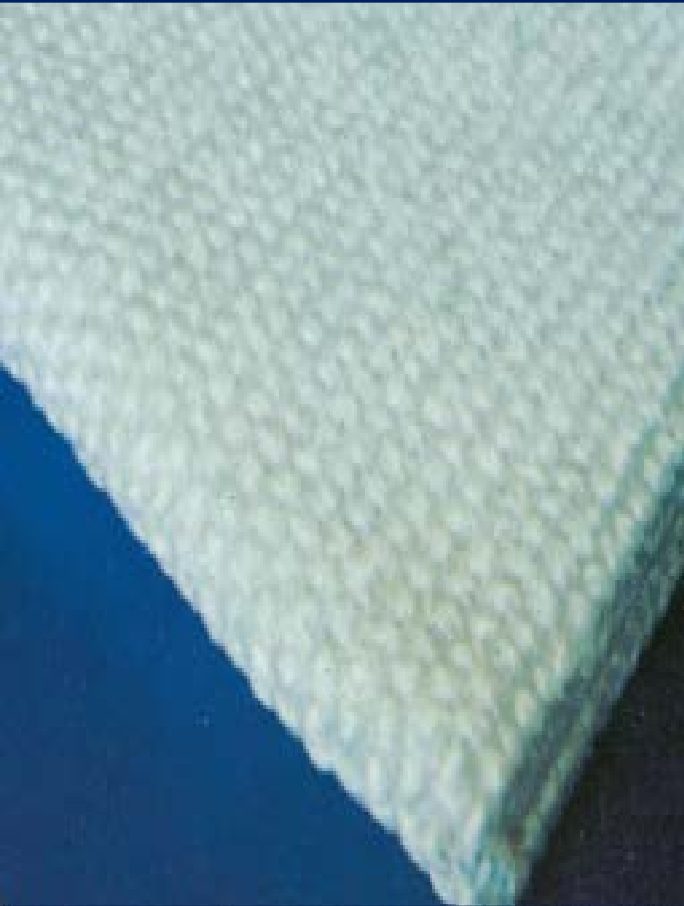
STYLE KT 7996 Glass wire reinforced

Dimensions : 8 - 60 mm 30 Mtrs/roll

**Applications : To cover tubes and pipes, with
electrical wires always use the glass reinforced type,
cables or flexibles can also be overbraided
immediately in the factory.**

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WOVEN CERAMIC FIBRE CLOTH

STYLE KT 7741 Glass wire reinforced
STYLE KT 7742 Inconel wire reinforced

This cloth available either with glass wire yarn reinforced or inconel wire reinforced and has been treated for dust control.

Dimensions : Width 1000 -1500 mm

Thickness 2.0 mm to 6.0 mm

Length 30 Mtrs rolls

Applications : Protection clothing, controlled cooling down of casting of insulation, furnaces, Boilers.

CERAMIC FIBRE BRAIDED PACKING

STYLE KT 7851 Round braided Glass wire reinforced
STYLE KT 7852 Round braided Inconel wire reinforced
STYLE KT 7853 Square braided Glass wire reinforced
STYLE KT 7854 Square braided Inconel wire reinforced

Dimensions : 5-8 mm 100 Mtrs/roll 20-25 mm 30 Mtrs/roll

10-15 mm 50 Mtrs/roll 30-80 mm 10 Mtrs/roll

Applications : Static seal for boilers, industrial furnaces, coke oven doors etc...

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CERAMIC FIBRE TWISTED ROPED-ROUND

STYLE KT 7856 Glass wire reinforced

STYLE KT 7857 Inconel wire reinforced

Dimensions : 3-4 mm 200 Mtrs/roll 30 mm 25 Mtrs/roll

5-12 mm 100 Mtrs/roll 40 mm 20 Mtrs/roll

15-25 mm 50 Mtrs/roll 50 mm 10 Mtrs/roll

Applications : Cover joints, joints for insulation of pipes etc...

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CERAMIC FIBRE TADPOLE TAPES

STYLE KT 7997 Glass wire reinforced

STYLE KT 7998 Inconel wire reinforced

Dimensions : Custom Sizes

Applications : sealing from oven doors, can be in hard or soft cersion according to applications.

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