



FABRIC SEW SERVICE

FIRE PROOF BLANKET
INSULATION JACKET
EXPANSION JOINT
FILTER BAG



All **KAMMTEX** textiles are available in many sizes and with treatments other than those listed in this catalogue. While we have attempted to represent most of our products, we realize you may require a special size rope, a special width of fabric or tape, or a special coating.

If you do not see product listed to meet your needs, please call us with your special requirements and we will engineer a product that does... Challenge us!

The applications for **KAMMTEX** Textiles are many from steel mills to oil refineries, chemical processing plants, power plants, wherever the need exists for a high-temperature resistant textile product. Service is **KAMMTEX** edge in the world of high-temperature textile manufacturers. We are large enough to handle big volume orders, while being flexible enough to make a short run to facilitate your small special order needs. We will even work with you in designing a product to meet those unique requirements

CHEMICAL ANALYSIS OF GLASS FIBRE PRODUCTS

SIO	54.5%	CaO	17.0%
Al O	14.5%	MgO	4.5%
Fe O	0.5%	Others	1.5%
B O	7.5%		

TECHNICAL DATA

E-GLASS PRODUCTS are made from yarns that are a highly texturized form of Silica.

KAMMTEX fabrics with our proprietary, one-side treatment provide :

- * Excellent cutting, sewing and handling
- * Heat properties ; 700 °C (1292 °F)
- * High temperature capability
- * Cold Properties ; -73 °C (-100 °F)
- * Outstanding abrasion resistance
- * Chemical Resistance: common acids, alkalize and solvents
- * Molten metal splash protection
- * Roll length, weight, and thickness tolerance : 10%
- * Electrical/ Filtration: Non-conducting and high characteristics provide excellent electrical insulating properties. Its air permeability, chemical, and abrasion resistance made it a good filtration medium.
- * Listed by Underwriters Laboratories UL 214
- * UL 723 Flame Spread: 0 Smoke Density: 0 Fuel Contributed: 0
- * U.S. Military Spec. MIL-COO20079H, MIL-I-24244C
- * U.S. Coast Guard Spec. No. 164.009
- * Specific Gravity : 2.54
- * Meets or exceeds NFPA Spec. No. 701
- * Moisture Absorbency (surface) : 0.3%
- * Thermal Conductivity 1.05 K/Kgk
- * Moisture Regain: none
- * Tensile Strength : @72 °F 500,000 psi @700 °F 380,000 psi @1000 °F 250,000 psi
- * Hysteresis : none
- * Creep : none
- * Elongation at Break: 4.8%
- * Elastic Recovery : 100%



WOVEN GLASS FIBRE CLOTH

STYLE KT 2498

Dimensions : Width 1000mm standard 1500mm on request Length 30 meters standard per roll Thickness 0.4 mm to 3.2 mm

Weight : 300 g/m² to 2200 g/m² depending on its thickness

Weave : Plain Fabric cloth are available also in Heat Treated white color finish

Application : Welding cloths, protective clothing, finishing of insulation.

WOVEN GLASS CLOTH (ALUMINUM FOIL)

STYLE KT 2499

Dimensions : 0.5-3.0 (Thk) x 1000-1500mm (Width) x 30 M/Roll

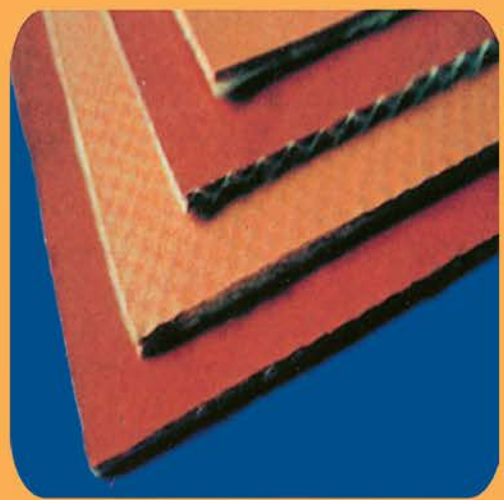
Applications : excellent heat radiation reflection to abrasion and crack

WOVEN GLASS CLOTH (SATIN FABRIC)

STYLE KT 2500

Dimensions : 0.2-1.5 (Thk) x 1000-1500 mm (Width) x 50 M/roll

Applications : Stress relief blankets, furnace insulation and cable wrap



SILICA FABRIC CLOTH

STYLE KT 2500-1

Dimension : 0.8-1.50 (Thk) x 920 (width)

Application : Excellent heat high temperature 800-1200 c°

* Heat and flame shielding, stress relief

* Hose and cable protection and emergency fire blankets

WOVEN GLASS FIBRE CLOTH (MASH)

STYLE KT 2501

Dimensions : 1000 mm. -1800 mm. width

Applications : Used as reinforced wall mash fabrics

- GRC reinforced mesh fabrics
- mesh for mosaics
- backing mesh for stonework

SILICONE RUBBER COATED FABRIC

STYLE KT 2502

Dimensions : 0.5 - 3.0 mm (Thk) x 1000 mm (width) x 50 M/roll

Application : heat shields, curtain, protection from molten metal splash, gasket and expansion joint fabric, landing pads for hot coils



SILICONE RUBBER COATED TAPE

STYLE KT 2503

Dimensions : 0.5 - 3.0 mm (Thk) x 10 - 200 mm (width) x 30 M/roll

Applications : protection heat shields, curtain, protection from molten metal splash, gasket and expansion joint fabric, landing pads for hot coils



SILICONE COATED SELF ADHESIVE

STYLE KT 2504

Dimensions : 0.5-3.0mm (Thk) x 10 - 150mm (width) x 30M/roll

Applications : increasing the stability, cut resistant heat shields, protection from molten - metal splash, gasket and expansion joint fabric, landing pads for hot coils

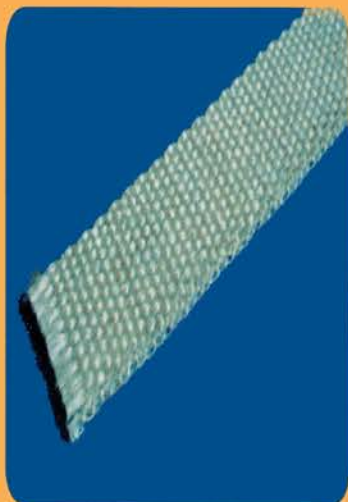


SILICONE COATED SLEEVING

STYLE KT 2505

Dimensions : Dia 1mm - 35 mm x 50 M/roll, 100 M/roll

Applications : protecting hoses and cables, bundling of multiple hoses and cables



WOVEN GLASS FIBRE TAPES

STYLE 3510

Dimensions : 0.5 - 3.0 mm(thk) x10-150mm (width) x 30 M/Roll

Applications : protecting cables from heat and fire, insulation for wrapping hot pipe, gasket vertical strip furnace curtains

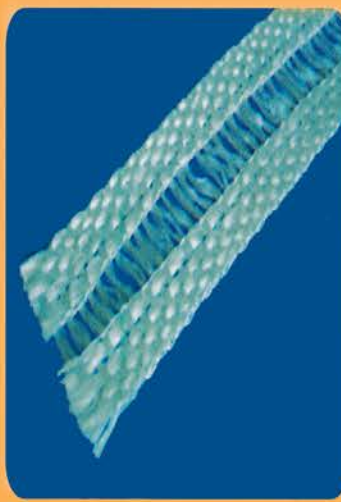


WOVEN GLASS FIBRE TAPES (WITH ADHERSIVE ONE SIDE)

STYLE KT 3511

Dimensions : 0.5-3.0 mm(thk) x10-150 mm (width) x30 M/Roll

Applications : insulation for wrapping hot pipe, increasing the stability cut resistance, protection against fraying



WOVEN GLASS FIBRE TAPES (BOLT HOLE TAPES)

STYLE KT3512

Dimensions : 0.5-3.0mm (thk) x10-150 mm (width) x 30 M/Roll

Applications : specially used in flange jointing with bolts



WOVEN GLASS FIBRE TAPES (AL FOIL ONE SIDE)

STYLE KT 3513

Dimensions : 0.5-3.0mm (thk)x10-150 mm (width) x 30 M/Roll

Applications : excellent heat reflection, resistant to abrasion and cracks



BRAIDED GLASS FIBRE ROPES

STYLE KT 5119 (SQUARE)

STYLE KT 5200 (ROUND)

Supplied in round, square and rectangular section. Interlock braided constructions (18" and 316" plaited) Rope can be impregnated with PTFE, graphite and stainless steel or inconel wire reinforced on request.

Dimensions : 5-8mm 200M/roll 30mm 30M/roll
10-15mm 100M/roll 40mm 20M/roll
20-25mm 50M/roll 50mm 10M/roll

Applications : Static door seals for boilers, ovens, furnaces, kiln cars, heat exchanger, filter elements, wrapping exhaust.

TWISTED GLASS FIBRE ROPE

STYLE KT 5221

Twisted rope is produced from a number of single yarn twisted together. The diameter of the rope is determined by the number and thickness of the yarn being used. Rope can be reinforced with stainless steel or inconel wire on request.

Dimensions : 3-4mm 200M/roll 30mm 30M/roll
5-12mm 100M/roll 40mm 20M/roll
15-25mm 50 M/roll 50mm 10M/roll

Applications: Stove door seals, ovens, coke furnaces, thermal insulation of electrical wiring, wrapping round pipes.

KNITTED GLASS FIBRE ROPE

STYLE KT 5222

is a very flexible, soft, compressible material mainly used by cast iron stove producers. The flexibility is necessary because of the coarse surface of cast iron products.

Dimensions : 5-12mm 100 M/roll

Other applications : gasketing, caulking of oven and furnace doors, including wood stoves and expansion joints.

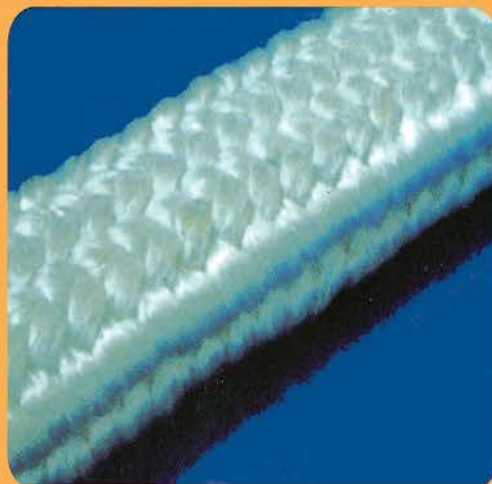
BRAIDED GLASS FIBRE SLEEVE/TUBING

STYLE KT 5223

1.5mm and 3.0mm wall thickness is standard

Dimensions : 10-50mm 30M/roll

Applications: Cable and wire insulation, hose covering, protection for hydraulic and electrical cables, gasketing, thermal insulation, cover tubes and pipes, cables and flexibles can also be overbraided immediately in our factory. Sleeves can also be coated with Silicone or other Rubber.



RECTANGLE BRAIDED GLASS FIBRE ROPES

STYLE KT 5224

Dimensions : 5x8 mm -30x50 mm x50M/roll

Applications : coke furnace, stove and boiler, valve or pump. Exchanger, kiln car, burner, chimney door sealing.

KNITTED ROPE WITH GLASS FIBRE CORE

STYLE KT 5225

Dimensions : 10-30 mm 100 M/roll

Applications : gasketing, caulking of oven and furnace, filling of grooves doors, including wood stoves and expansion joints.

GLASS FIBRE SPECIAL TADPOLE TAPES

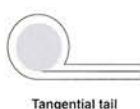
STYLE KT 5226

Custom manufactures a variety of special tadpole tapes to meet varied service conditions. Tadpole tapes are resilient, non-absorbent, gasketing tapes formed by wrapping heat resistant cores with special treated cover materials. Edges are stitched or cemented together forming the tail structure. Provide effective sealing on light metal flanges or where limited bolting force is available. Because of their softness and conformability they are especially available in conventional construction for steam service with core materials of inconel or stainless steel mesh cable; glass fiber jackets with coatings of neoprene, silicone, or with impregnation of Teflon.

Dimensions : 9.5mm to 25.4 mm

Other Application : 25.4mm to 65 mm

Typical
construction
Styles :





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 ₂ O 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 is 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



WOVEN CERAMIC FIBRE CLOTH

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

This cloth is 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...

CERAMIC FIBRE TWISTED ROPE - 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...



WOVEN CERAMIC FIBRE TAPES

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-holeTapes
 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.

CERAMIC FIBRE BRAIDED SLEEVE

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 reinterced type, cables or flexibles can also be overbraided immediately in the factory.

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.



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

CERAMIC FIBRE PAPER

STYLE KT 9997
 STANDARD SIZE : 50000X(1220)610X0.5 mm, 40000X(1220)610X1.0 mm, 20000X(1220)610X3.0 mm, 10000X(1220)610X5.0 mm
 DENSITY : 200 KG/M
 TEMPERATURE : 1260 °C
 APPLICATION RANGE : High temperature insulating, sealing, protecting material for industry, Electric and thermal insulation for elastic industry insulation for instrument equipment. for moter industry

CERAMIC FIBER MOULDES

STYLE KT 16000
 STANDARD SIZE : 600X240-300X100,200, 300X300X150,300MM.
 APPLICATIONS :
 1. Metallurgy heating turnace heat treating furnace
 2. Ceramic shuttle kiln, horses hoe kiln tunnel furnace
 3. Chemical cracking furnace depressure furnace, chimmey



บริษัท ไทยโพลิเมอร์ ซัพพลาย จำกัด : 406 สุขุมวิท 55 (ช.ทองหล่อ) แขวงคลองตันเหนือ เขตวัฒนา กรุงเทพฯ 10110

THAI POLYMER SUPPLY CO.,LTD. : 406 Sukumvit 55 (Soi Thong Lor). Sukumvit Rd.,
Klongton Nue, Wattana, Bangkok 10110

Tel. 0-2750-7296-7, 0-2750-4852-8 #139-145 Fax. 0-2750-7299, 0-2312-1781

E-mail : insulating@thaipolymer.co.th