

Uni-Seals Product Catalog

Category: Thermal Insulation Material



UNI-SEALS

Unimax International Limited

www.uni-seals.com

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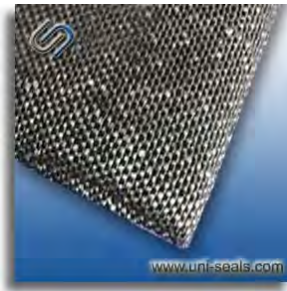
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Woven Graphite Cloth**CL1020 Woven graphite cloth**

Woven from expanded graphite yarns. It has all the advantages of the expanded graphite, such as excellent flexibility and heat resistant.

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: CL1020R).

Application:

Used as fireproof sealing material for expansion joints, valve stems and furnace doors etc, as a substitute for asbestos cloth.

Specification:

Temperature: -220°C~ +550°C.

Pressure: 30bar.

PH value: 0~14.

Normal Dimension:

Thickness: 1.5~6.0mm.

Width: 1000mm.

Woven Graphite Tape



TA1020 Woven graphite tape

The tape is woven from expanded graphite yarns. It has all the advantages of the expanded graphite, with high strength and good flexibility.

TA1027 Woven graphite tape with self-adhesive

With self-adhesive tape on one side of TA1020 woven graphite tape.

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: TA1020R, TA1027R).

Application:

Used as sealing material for expansion joints, valve stems and furnace doors etc.

Specification:

Temperature: -220°C~ +550°C.

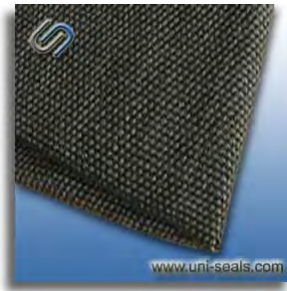
Pressure: 40bar.

PH value: 0~14.

Normal Dimension:

Thickness: 1.5~6.0mm.

Width: 25~100mm.

Carbonized Fiber Cloth**CL1520 Carbonized fiber cloth**

The cloth is woven by high quality carbonized fiber yarns.

CL1520AL Carbonized fiber cloth with aluminum foil

With a layer of aluminum foil laminated on one side of CL1520 carbonized fiber cloth.

Available to be reinforced with stainless steel wire or nickel wire (style number: CL1520R).

Application:

Used as heat insulation material, it is an excellent substitute for asbestos cloth.

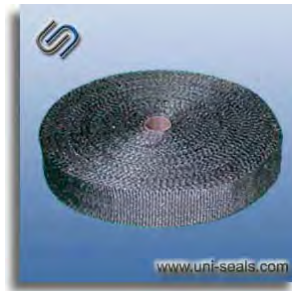
Specification:

Maximum temperature: 450°C.

Normal Dimension:

Thickness: 1.5~5.0mm.

Width: 1000mm.

Carbonized Fiber Tape**TA1520 Carbonized fiber tape**

The tape is woven by high quality carbonized fiber yarns.

TA1520AL Carbonized fiber tape with aluminum foil

With a layer of aluminum foil laminated on one side of TA1520 carbonized fiber tape.

Available to be reinforced with stainless steel wire or nickel wire (style number: TA1520R).

Application:

Used as heat insulation material, it is an excellent substitute for asbestos tape.

Specification:

Maximum temperature: 450°C.

Normal Dimension:

Thickness: 1.5~5.0mm.

Width: 20~200mm.

Carbonized Fiber Rope**PA1500 Square braided carbonized fiber rope (packing)**

Square braided from oxidized polyacrylonitrile yarns.

PA1510 Round braided carbonized fiber rope (packing)

Round braided from oxidized polyacrylonitrile yarns.

Carbonized fiber rope impregnated with graphite (style number: PA1500G, PA1510G) is also available.
Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: PA1500R, PA1510R).

Application:

Extensively used as insulation and sealing materials in thermal installations and heat conducting systems. It is a good substitute for asbestos rope.

Specification:

Maximum temperature: 450°C.

Normal Dimension:

3~50mm.

Normal Packing:

5kgs or 10kgs/roll, then 20kgs/carton.

Carbon Fiber Rope



PA1600 Square braided carbon fiber rope (packing)

Square braided from strong carbon fiber continuous filament yarns.

PA1610 Round braided carbon fiber rope (packing)

Round braided from strong carbon fiber continuous filament yarns.

Carbon fiber rope impregnated with graphite (style number: PA1600G, PA1610G) is also available.

Application:

It is an excellent heat insulation material and a substitute for asbestos rope. Widely used as static seal for stoves, boilers, burners, industrial furnaces, coke oven doors, etc.

Specification:

Maximum temperature: 600°C.

Normal Dimension:

3~50mm.

Normal Packing:

5kgs or 10kgs/roll, then 20kgs/carton.

Asbestos Cloth



CL2020 Dusted asbestos cloth

Interwoven from warp and weft dusted asbestos yarns.

CL2120 Dust free asbestos cloth

Interwoven from warp and weft dust free asbestos yarns.

CL2020AL Dusted asbestos cloth with aluminum foil

With aluminum foil laminated on one side of CL2020 dusted asbestos cloth.

CL2120AL Dust free asbestos cloth with aluminum foil

With aluminum foil laminated on one side of CL2120 dust free asbestos cloth.

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: CL2020R, CL2120R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Used as thermal insulating materials for boilers and pipe lines in factories, buildings, power stations and steamers. The cloth is also an ideal material for making protective gloves, working clothes and gasket materials.

Specification:

Maximum temperature: 250°C~550°C, depending on different grades of asbestos material selected.

Normal Dimension:

Thickness: 1.5~5.0mm.
Width: 1000mm, 1200mm.

Normal Packing:

50kgs/woven bag.

Remarks:

Grades for dusted asbestos yarns:

According to the quality grades of asbestos fibers, they can be divided into different grades with different maximum temperature resistance and tensile strength as below:

Grade	C	B	A	AA	AAA	AAAA
Asbestos content	≥75%	≥83%	≥86%	≥93%	≥97.5%	≥99.6%
Ignition loss	32.1%~35%	28.1%~32%	24.1%~28%	19.1%~24%	15.1%~19%	≤15%
Max. temperature	250°C	300°C	350°C	400°C	450°C	550°C

Asbestos Tape

**TA2020 Dusted asbestos tape**

Interwoven from warp and weft dusted asbestos yarns.

TA2120 Dust free asbestos tape

Interwoven from warp and weft dust free asbestos yarns.

TA2020AL Dusted asbestos tape with aluminum foil

With aluminum foil laminated on one side of TA2020 dusted asbestos tape.

TA2120AL Dust free asbestos tape with aluminum foil

With aluminum foil laminated on one side of TA2120 dust free asbestos tape.

Available to be coated with rubber (style number: TA2020E, TA2120E).

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: TA2020R, TA2120R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Used as thermal insulating materials for boilers and pipe lines in factories, buildings, power stations and steamers.

Specification:

Maximum temperature: 250°C~550°C, depending on different grades of asbestos material selected.

Normal Dimension:

Thickness: 1.5~5.0mm.

Width: 20~200mm.

Normal Packing:

25m or 30m/roll, then 50kgs/woven bag.

Braided Asbestos Rope**PA2000 Square braided dusted asbestos rope (packing)**

Square braided from long fiber dusted asbestos yarns.

PA2010 Round braided dusted asbestos rope (packing)

Round braided from long fiber dusted asbestos yarns.

PA2100 Square braided dust free asbestos rope (packing)

Square braided from dust free asbestos fiber yarns.

PA2110 Round braided dust free asbestos rope (packing)

Round braided from dust free asbestos fiber yarns.

Dusted asbestos rope impregnated with graphite (style number: PA2000G, PA2010G) or PTFE (PA2000P, PA2010P) is also available (see details in Uni-seals catalogue for "Packing" category).

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: PA2***R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Extensively used as insulation and sealing materials in thermal installations and heat conducting systems.

Specification:

Maximum temperature: 250°C~550°C, depending on different grades of asbestos material selected.

Normal Dimension:

5~50mm.

Normal Packing:

5kgs or 10kgs/roll, then 50kgs/woven bag.

Twisted Asbestos Rope**PA2020 Twisted dusted asbestos rope**

Twisted from two or more strands of long fiber dusted asbestos yarns.

PA2120 Twisted dust free asbestos rope

Twisted from two or more strands of dust free asbestos fiber yarns.

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: PA2020R, PA2120R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Extensively used as caulking, sealing and heat insulation materials in thermal installations and heat conduction systems.

Specification:

Maximum temperature: 250°C~550°C, depending on different grades of asbestos material selected.

Normal Dimension:

5~50mm.

Normal Packing:

5kgs or 10kgs/roll, then 50kgs/woven bag.

Asbestos Lagging Rope**PA2030 Dusted asbestos lagging rope**

Outside over braided in dusted asbestos open mesh, inside filled with asbestos or other fiber. It is a comparatively light weight thermal insulating material.

PA2130 Dust free asbestos lagging rope

Outside over braided with dust free asbestos open mesh, inside filled with dust free asbestos yarn or other fiber, the rope is with low density.

Application:

Used as heat insulation materials in thermal installations and heat conduction systems.

Specification:

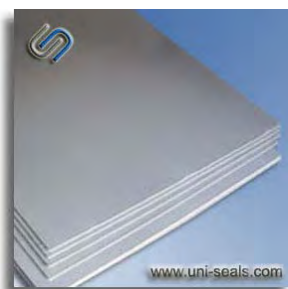
Maximum temperature: 250°C~550°C, depending on different grades of asbestos material selected.

Normal Dimension:

12~50mm.

Normal Packing:

10kgs/roll, then 50kgs/woven bag.

Asbestos Millboard**GS2000 Asbestos millboard**

Our asbestos millboard is manufactured from selected high grade asbestos fiber mixed with suitable incombustible binding materials. It contains various qualities including low thermal conductivity, high temperature resistivity and excellent electric insulation property. It can be easily cut, punched or wet molded.

Application:

Used for make fire screens, protecting walls, furnaces lining and anything for heat and fire protection. It can also be used as electrical insulation material.

Specification:

Density		1.1~1.5g/cm ³
Maximum temperature		450~550°C
Tensile strength (For thickness ≤5mm)	lengthwise	>25kg/cm ²
	widthwise	>20kg/cm ²
Ignition loss		≤18%
Moisture Content		≤3.0%

Normal Dimension:

Length: 1000mm.

Width: 1000mm.

Thickness: 2~12mm.

Glass Fiber Cloth



CL6120 Glass Fiber cloth

The cloth is manufactured from texturized fiberglass bulk yarns, withstanding temperature up to 550°C in continuous service.

CL6120AL Glass fiber cloth with aluminum foil

The cloth laminated with aluminum foil can be used as outer cover of heat piping, chemical industry.

Available to be coated with graphite (style number: CL6120G), PTFE (style number: CL6120P), silicone rubber (style number: CL6120E), or vermiculite (style number: CL6120V).

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: CL6120R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Used as welding blankets and curtains, fire blankets, expansion joints, insulation pad covers and gasket materials.

CL6220 Non-texturized fiberglass cloth

Made of non-texturized glass fiber yarns, the cloth appears smoother and has higher weight than the texturized glass fiber cloth. It can be produced in different kinds of weaving: plain, twill, satin. Widely used as heat shields, removable insulation covers, fire curtains, expansion joints, etc.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

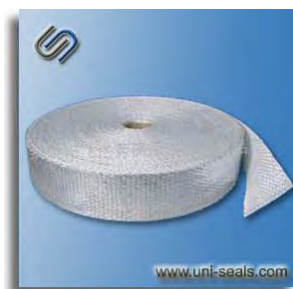
Thickness: 1.5~3.2mm.

Width: 1000mm, 1200mm.

Normal Packing:

50m/roll.

Glass Fiber Tape



TA6120 Glass fiber tape

Woven from texturized fiberglass yarns. The product offers superior insulating and heat resistant properties, withstanding temperature up to 550°C in continuous service, and has low chloride content.

TA6127 Glass fiber tape with self-adhesive

With self-adhesive on one side of TA6120 glass fiber tape.

TA6120AL Glass fiber tape with aluminum foil

With a layer of aluminum foil laminated on one side of TA6120 glass fiber tape.

Available to be coated with graphite (style number: TA6120G), PTFE (style number: TA6120P), silicone rubber (style number: TA6120E), or vermiculite (style number: TA6120V).

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: TA6120R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

As an excellent substitute for asbestos tape, it is extensively used for wrapping of steam tracer line, hot pipe protection, exhaust manifold insulation, strip curtains for oven doors, and so on.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

Thickness: 0.8~5.0mm.

Width: 20~300mm.

Normal Packing:

25m or 30m/roll, then 20kgs/woven bag.

Glass Fiber Ladder Tape**TA6150 Glass fiber ladder tape**

Woven from texturized fiberglass yarns. The product offers superior insulating properties, withstanding temperature up to 550°C in continuous service, and has low chloride content.

Application:

Specially used in flange joints with bolts.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

Thickness: 0.8~5.0mm.

Width: 20~300mm.

Normal Packing:

25m or 30m/roll, then 20kgs/woven bag.

Glass Fiber Tadpole Tape



TA6160 Glass fiber tadpole tape

The glass fiber tadpole tape is designed to meet the requirements of high temperature, low pressure service. Tadpole tape is constructed of treated cover materials wrapped over a variety of resilient core materials forming a “bulb” and “tail” construction. It is ideally suited for sealing flanges with limited bolt force, warped or uneven mating surfaces, or joints where flat tapes or packings are not suitable.

Application:

Normally used for sealing boiler door and oven door.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

Thickness: 1.6~5.0mm.

Overall width: 20~200mm.

Bulb diameter: 10~30mm.

Normal Packing:

25m or 30m/roll, then 20kgs/woven bag.

Braided Glass Fiber Rope**PA6100 Square braided glass fiber rope (packing)**

Square braided from texturized glass fiber yarns.

PA6110 Round braided glass fiber rope (packing)

Round braided from texturized glass fiber yarns.

Available to be treated with graphite (style number: PA6100G, PA6110G), or impregnated with PTFE (style number: PA6100P, PA6110P). See details in Uni-seals catalogue "Packing" category.

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: PA6100R, PA6110R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

It is a good heat insulation material and an excellent substitute for asbestos rope. Widely used as static door seals for boilers, ovens, furnaces, kiln cars, heat exchanger, filter elements, wrapping exhaust.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

5~50mm.

Normal Packing:

5kgs or 10kgs/roll, then 20kgs/woven bag.

Twisted Glass Fiber Rope**PA6120 Twisted glass fiber rope**

The rope is twisted from a number of texturized glass fiber yarns. The diameter of the rope is determined by the number and thickness of the yarn being used.

Available to be reinforced with stainless steel wire, nickel wire or copper wire (style number: PA6120R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Used in stove door seals, ovens, coke furnaces, thermal insulation of electrical wire, wrapping of round pipes.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

3~30mm.

Normal Packing:

5kgs or 10kgs/roll, then 20kgs/woven bag.

Glass Fiber Lagging Rope**PA6130 Glass fiber lagging rope**

Outside over braided in mesh with fiberglass yarns, inside filled with glass fiber or other fiber. Over braided mesh can be open mesh or close mesh. The rope is with low density.

Application:

It is an excellent substitute for asbestos lagging rope. Used as thermal insulation and sealing material for stove, burner, chimney door sealing, seal for heat exchanger, kiln car, etc.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

10~50mm.

Normal Packing:

5kgs or 10kgs/roll, 20kgs/woven bag.

Knitted Glass Fiber Rope**PA6140 Knitted glass fiber rope**

The rope is knitted with texturized fiberglass yarns at outside, and with fiberglass core at inside.

Available to be treated with graphite (style number: PA6140G).

Application:

It is a very flexible and easily compressible material mainly used in cast iron stove. Other applications include gasketing, caulking of oven and furnace doors, including wood stoves and expansion joints.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

5~30mm.

Normal Packing:

5kgs or 10kgs/roll, 20kgs/woven bag.

Glass Fiber Sleeve



TU6120 Glass fiber sleeve (tube)

Woven from texturized fiberglass yarns by tubular braiding to obtain an extremely elastic and flexible sleeve. It is capable of operating at a continuous temperature of 550 C degrees. Its excellent insulation capabilities make it a good choice as economical hose and cable protection material where molten splash is not a factor.

Available to be coated with silicone or other rubber (style number: TU6120E).

Application:

Used as cable and wire insulation, hose covering, protection for hydraulic and electrical cable, gasketing, thermal insulation for tubes and pipes.

Specification:

Maximum temperature: 550°C.

Normal Dimension:

Inner diameter: 10~100mm.

Wall thickness: 1.0~3.0mm.

Normal Packing:

25m or 30m/roll, then 20kgs/woven bag.

Ceramic Fiber Cloth



CL6520 Ceramic fiber cloth

Woven from ceramic fiber yarns, and treated for dust control. The cloth is an excellent heat insulating material and a substitute for asbestos cloth.

Available to be reinforced with metallic wire (such as stainless steel wire, nickel wire, etc) (style number: CL6520R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

CL6520AL Ceramic fiber cloth with aluminum foil

With aluminum foil laminated on one side of CL6520 ceramic fiber cloth.

Application:

Widely used as thermal insulation material in various industries, such as heat insulation curtain, large area thermal insulation, and radiant heat shielding, flexible fabric expansion joints etc.

Specification:

Maximum temperature: 1260°C.

Normal Dimension:

Thickness: 1.5~5.0mm.

Width: 1000mm.

Normal Packing:

30m/roll, in woven bag.

Ceramic Fiber Tape



TA6520 Ceramic fiber tape

Woven from ceramic fiber yarns, and treated for dust control. The tape is an excellent heat insulating material and a substitute for asbestos tape.

Available to be reinforced with metallic wire (such as stainless steel wire, nickel wire, etc) (style number: TA6520R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

TA6520AL Ceramic fiber tape with aluminum foil

With aluminum foil laminated on one side of TA6520 ceramic fiber tape.

TA6550 Ceramic fiber ladder tape

This kind of tape is specially produced for use in flange joints with bolts.

Application:

Widely used as thermal insulation tape in various industries, such as high temperature resistant electrical cable, wire covering and pipe wrapping.

Specification:

Maximum temperature: 1260°C.

Normal Dimension:

Thickness: 1.5~5.0mm.

Width: 10~150mm.

Normal Packing:

30m/roll, then 20kgs/woven bag.

Ceramic Fiber Rope



PA6500 Square braided ceramic fiber rope (packing)

Square braided from high quality ceramic fiber yarns which are manufactured mainly from alumina-silica materials. The rope offers characteristics of high temperature stability, low thermal conductivity, low heat storage, excellent thermal shock resistance, light weight, and good corrosion resistance.

PA6510 Round braided ceramic fiber rope (packing)

Round braided from high quality ceramic fiber yarns which are manufactured mainly from alumina-silica materials.

Available to be impregnated with graphite (style number PA6500G, PA6510G).

Available to be reinforced with metallic wire (such as stainless steel wire, nickel wire, etc) (style number: PA6500R, PA6510R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

It is an excellent heat insulation material and a substitute for asbestos rope. Widely used as static seal for stoves, boilers, burners, industrial furnaces, coke oven doors, etc.

Specification:

Maximum temperature: 1260°C.

Normal Dimension:

5~50mm.

Normal Packing:

5kgs or 10kgs/roll, then 20kgs/woven bag.

Twisted Ceramic Fiber Rope**PA6520 Twisted ceramic fiber rope**

Twisted by ceramic fiber yarns. The rope is an excellent heat insulating material and a substitute for asbestos rope.

Available to be reinforced with metallic wire (such as stainless steel wire, nickel wire etc) (style number: PA6520R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Used in expansion joints, as seals for stoves and ovens etc. Also used as bulbs in tadpole tape.

Specification:

Maximum temperature: 1260°C.

Normal Dimension:

5~50mm.

Normal Packing:

5kgs or 10kgs/roll, then 20kgs/woven bag.

Ceramic Fiber Lagging Rope**PA6530 Ceramic fiber lagging rope**

Outside over braided in mesh with ceramic fiber yarns, inside filled with cut strip of ceramic fiber blanket. Over braided mesh can be open mesh or close mesh. The rope is with low density. It is to be used where a softer and lighter sealing cord is required, instead of standard braided packing or rope.

Application:

It is an excellent heat insulation material and a substitute for asbestos rope. Widely used as static seal for stoves, boilers, burners, industrial furnaces, coke oven doors, etc.

Specification:

Maximum temperature: 650°C.

Normal Dimension:

10~50mm.

Normal Packing:

10kgs/roll, then 20kgs/woven bag.

Ceramic Fiber Sleeve**TU6520 Ceramic fiber sleeve (tube)**

Woven from ceramic fiber yarns by tubular braiding to obtain a flexible sleeve. Its excellent insulation and high temperature resistant capabilities make it a good choice as economical hose and cable protection material.

Available to be reinforced with metallic wire (such as stainless steel wire, nickel wire, etc) (style number: TU6520R). The normal reinforcing material selected is stainless steel wire, which is of good performance and cost effective.

Application:

Covering high temperature electric-insulating cable or wire, wrapping high temperature pipe.

Specification:

Maximum temperature: 1260°C.

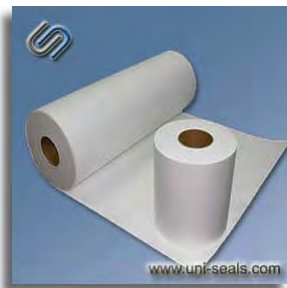
Normal Dimension:

Inner diameter: 10–75mm.

Normal Packing:

10kgs/roll, then 20kgs/woven bag.

Ceramic Fiber Paper



GS6510 Ceramic fiber paper

Our ceramic fiber paper is made from high quality ceramic fibers which contain little residue, through processes such as slurring, residue removing, slurry mixing, long-mesh shaping, vacuum dehydrating, drying, cutting and rolling.

The product offers characteristics of light weight, high temperature stability, excellent chemical corrosion resistance, good thermal shock resistance, low thermal conductivity, and excellent sound absorbing ability.

Application:

It is used as general insulation, seal and protecting material for various industries, such as insulation and heat insulation material for electro-thermal equipments, instruments and components; heat insulation material in automobile industry etc.

Specification:

Classification temperature		1260°C
Working temperature		1000°C
Density		200±15kg/m ³
Thermal conductivity	200°C	0.075~0.085w/m.k
	400°C	0.115~0.121w/m.k
	600°C	0.165~0.175w/m.k
Organic content		6~8%
Chemical content	Al ₂ O ₃	45~46%
	Al ₂ O ₃ +SiO ₂	51~52%

Normal Dimension:

Width: 610mm, 1220mm.

Thickness: 0.8~5mm.

For example: 1mm x 610mm x 60m, 2mm x 610mm x 30m, 5mm x 610mm x 12m, etc.

Ceramic Fiber Blanket



Our ceramic fiber blanket offers characteristics of light weight, good resiliency, high temperature stability, high tensile strength, excellent chemical corrosion resistance, excellent thermal shock resistance, low thermal conductivity, and excellent sound absorbing ability.

GS6520 Blown ceramic fiber blanket

The blanket is made from blown refractory ceramic fiber, through process of needling, heat-shaping, cutting and rolling.

GS6525 Spun ceramic fiber blanket

The blanket is made from spun refractory ceramic fiber, through process of needling, heat-shaping, cutting and rolling. It is with better tensile strength than GS6520 blown ceramic fiber blanket.

Application:

Used as lining of stoves, heating equipments and high temperature pipelines; thermal insulation material for electric boilers, gas engines and nuclear power; lining of high temperature reacting and heating equipments in chemical industry; heat insulation material of kiln doors and covers; fireproofing and heat insulation material for buildings; etc.

Specification:

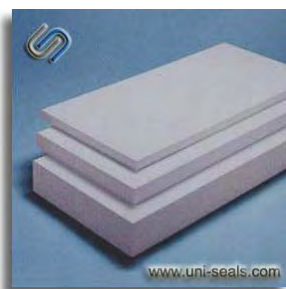
Grade		ST (Standard)	HP (High purity)	HA* (High aluminum)	HAZ (With aluminum & zirconium)	HZ (With zirconium)
Classification temperature		1260°C	1260°C	1360°C	1360°C	1430°C
Working temperature		1050°C	1100°C	1200°C	1200°C	1350°C
Density		96~128kg/m ³		128~160kg/m ³		
Thermal conductivity		0.09w/m.k (400°C)	0.09w/m.k (400°C)	0.132w/m.k (600°C)	0.132w/m.k (600°C)	0.16w/m.k (600°C)
		0.176w/m.k (800°C)	0.22w/m.k (1000°C)	0.22w/m.k (1000°C)	0.22w/m.k (1000°C)	0.22w/m.k (1000°C)
Liner shrinkage (24hours, density 128kg/m ³)		3% (1000°C)	3% (1100°C)	3% (1250°C)	3% (1350°C)	3% (1350°C)
Tensile strength (128kg/m ³)	GS6520	0.04Mpa	0.04Mpa	0.04Mpa	0.04Mpa	0.04Mpa
	GS6525	0.08~0.12Mpa		-----	0.08~0.12Mpa	
Content	Al ₂ O ₃	45~46%	47~49%	52~55%	45~46%	39~40%
	Al ₂ O ₃ +SiO ₂	97%	99%	99%	-----	-----
	Al ₂ O ₃ +SiO ₂ +ZrO ₂	-----	-----	-----	99%	99%
	ZrO ₂	-----	-----	-----	5~7%	15~17%
	Fe ₂ O ₃	<1.0%	0.2%	0.2%	0.2%	0.2%
	Na ₂ O+K ₂ O	≤0.5%	0.2%	0.2%	0.2%	0.2%

* Grade HA (high aluminum) is only available for GS6520 blown ceramic fiber blanket.

Normal Dimension:

13 x 610 x 14400mm, 25 x 610 x 7200mm, 50 x 610 x 3600mm, other dimensions are also available on request.

Ceramic Fiber Board

**GS6530 Ceramic fiber board**

Our ceramic fiber board is produced from corresponding blowing fiber (ST, HP, HA, HZ) with vacuum formed technology. Besides the typical function of ceramic fiber, the board also has hard texture, excellent toughness and intensity. It has excellent fire resistance and heat preservation properties, low thermal conductivity and low heat storage, excellent thermal stability and thermal shock resistance, and outstanding acoustic insulation.

Application:

Used as liner for high temperature kiln cars, baffle and disjunctive board of furnace door; heat preservation and insulation material for high temperature equipments; thermal, acoustic insulation and fire proof material for space navigation and ship building industry.

Specification:

Grade		ST (Standard)	HP (High purity)	HA (High aluminum)	HZ (With zirconium)
Classification temperature		1260°C	1260°C	1360°C	1430°C
Working temperature		1050°C	1100°C	1200°C	1350°C
Density		220~360kg/m ³			
Compressive strength		≥0.5Mpa	≥0.5Mpa	≥0.5Mpa	≥0.5Mpa
Thermal conductivity	400°C	0.085w/m.k	0.085w/m.k	0.085w/m.k	0.085w/m.k
	800°C	0.132w/m.k	0.132w/m.k	0.132w/m.k	0.132w/m.k
	1000°C	0.180w/m.k	0.180w/m.k	0.180w/m.k	0.180w/m.k
Liner shrinkage (24hours, density 320kg/m ³)		3% (1050°C)	3% (1100°C)	3% (1200°C)	3% (1350°C)
Chemical content	Al ₂ O ₃	46%	47~49%	52~55%	39~40%
	Al ₂ O ₃ +SiO ₂	97%	99%	99%	-----
	Al ₂ O ₃ +SiO ₂ +ZrO ₂	-----	-----	-----	99%
	ZrO ₂	-----	-----	-----	15~17%
	Fe ₂ O ₃	<1.0%	0.2%	0.2%	0.2%
	Na ₂ O+K ₂ O	≤0.5%	0.2%	0.2%	0.2%

Normal Dimension:

600 x 400mm, 900 x 600mm, 1200 x 1000mm.

Thickness: 10~50mm.

**Note:**

1. All technical details quoted throughout this catalogue are based on our extensive tests and years of experience, however, they can only serve as guide values. Your specific application should not be undertaken without independent study and evaluation for suitability. Failure to select proper products and specifications could result in property damage and/or personal injury.
2. Technical details subject to change without notice. This edition cancels all previous issues.

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