

CERAMIC FIBER PRODUCTS

CLASSIFICATION OF CERAMIC FIBER PRODUCTS

1) CERAMIC FIBER BLANKET

- Normal Type(STD): Prominent properties for normal insulation
- Standard Type(ST): Prominent properties for working requiring higher temperature.
- High Pure Type(HP): More pure wool content, more pure white color
- High Alumina(HA): Required for higher temperature insulation, more Alumina content
- Zr-Contained(ZA): Zirconium contained, can touch fire-flame directly.

2) CERAMIC FIBER BOARD

3) CERAMIC FIBER MODULES

4) VACUUM FORMED SHAPES

5) CERAMIC FIBER PAPER

6) CERAMIC FIBER TEXTILES

- Ceramic Fiber Cloth
- Ceramic Fiber Rope

PROPERTIES

- Resistance to high temperature
- Low thermal conductivity
- Resistance to thermal shock
- Excellent corrosion resistance
- Low sinter content
- Low heat storage
- High tensile strength
- Good sound absorption
- Double needled blanket -Low density -Low thermal conductivity -Shorter heat up and cool down time
- Resilience and resistance to thermal shock -Flexible and easy to cut and install
- Contain no organic binder -Asbestos free

CERAMIC FIBER BLANKET

APPLICATIONS

- Investment casting mould wrappings
- Incineration equipment and stack linings
- Kiln and furnace insulation
- Insulation for steam and gas turbines
- Removable insulation
- High temperature pipe and casting mold insulation.
- Repair, insulation and linings for furnaces, kilns, ovens, generators, reformers, boilers.
- Duct and turbine insulation- Forging furnaces linings- High-temperature seals and gasket
- Furnace door seals -Glass furnace crown insulation -Heat processing equipments
- Car bottom furnace lining insulation -Fire protective insulation or linings

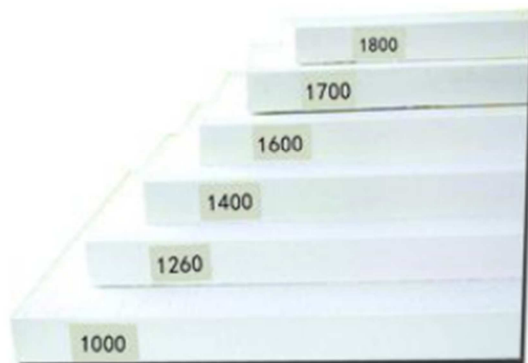


Type		Normal (STD)	Standard (ST)	High Pure (HP)	High-Al (HA)	Zr-Contained (ZA)
Classification Temp	°C	1,260	1,260	1,260	1,400	1,400
Working Temp	°C	<1,000	1,000	1,100	1,260	1,360
Thermal Conductivity W/m.k	200°C	0.045-0.060			0.052-0.070	
	400°C	0.085-0.110			0.095-0.120	
	600°C	0.152-0.20			0.164-0.210	
Density	kg/m ³	96/128				
Alumina (Al ₂ O ₃)	%	44	46	47-49	52-55	32-33
Zirconium (ZrO ₂)	%	/	/	/	/	17-18
Size	mm	(3,600/7,200/15,000)*(610/1/220)*(10/20/25/30/40/50)				
Packing		Carton box/Woven Bag				

CERAMIC FIBER BOARD

APPLICATIONS

- A variety of high-temperature industrial furnaces for heat insulation surface or backing.
- Ceramic kiln, mechanical, and metallurgical and other industrial furnace heat treatment furnace hot face lining materials.
- Door, insulation material such as kiln car.



Type		Normal (STD)	Standard (ST)	High Pure (HP)	High-Al (HA)	Zr-Contained (ZA)
Classification Temp	°C	1,260	1,260	1,260	1,400	1,400
Working Temp	°C	<1,000	1,000	1,100	1,260	1,360
Thermal Conductivity W/m.k	400°C	0.085	0.085	0.085	0.085	0.085
	800°C	0.132	0.132	0.132	0.132	0.132
	1,000°C	0.180	0.180	0.180	0.180	0.180
Density	kg/m ³	180-500				
Alumina (Al ₂ O ₃)	%	44	46	47-49	52-55	32-33
Zirconium (ZrO ₂)	%	/	/	/	/	17-18
Size	mm	1,200*600*20-50/900*600*20-80/600*400*10-50				
Packing		Carton box				

CERAMIC FIBER MODULES

APPLICATIONS

- Ceramic Industry: shuttle kiln, tunnel kiln, kiln cars
- Iron and Steel Industry: furnace, annealing furnace, kiln cars, ladle cover, etc.
- Heat Treatment: Annealing stove, soaking furnace, kiln cars
- Petrochemical Industry: Ethylene cracking furnace, reformer, atmospheric / vacuum furnace, coking furnace, flue, etc.



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Classification Temp	°C	1,260	1,260	1,260	1,400	1,400
Working Temp	°C	<1,000	1,000	1,100	1,260	1,360
Thermal Conductivity W/m.k	400°C	0.085	0.085	0.085	0.085	0.085
	800°C	0.132	0.132	0.132	0.132	0.132
	1,000°C	0.180	0.180	0.180	0.180	0.180
Density	kg/m ³	200-260				
Alumina (Al ₂ O ₃)	%	44	46	47-49	52-55	32-33
Zirconium (ZrO ₂)	%	/	/	/	/	17-18
Size	mm	L * W: 300x300; 450x300; 600x300, H: 100, 150, 200, 250, 300				
Packing		Carton box				

VACUUM FORMED SHAPES

APPLICATIONS

- The industry hot side equipment special parts, burner tiles,
- observation hole, heat element bracket, riser, flow tank, masonry walls, the hanging roof.

We can do!



1. We can do various of shaped ceramic fiber accessories, such as tube shaped, conical shaped, dome-shaped and box-shaped etc.
2. We can do as customers' design.
3. We can do unshaped ceramic fiber accessories as stock for customers, such as casting cap and casting pipe for non-ferrous metal industry, as well as vacuum formed kiln eye for petrochemical.
4. We can do vacuum forming hardener or refractory clay coating can be used to shaped products as a protective layer, if necessary.

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Classification Temp °C	1,260	1,260	1,260	1,400	1,400
Working Temp °C	<1,000	1,000	1,100	1,260	1,360
Density kg/m ³	280-500				
Alumina (Al ₂ O ₃) %	44	46	47-49	52-55	32-33
Zirconium (ZrO ₂) %	/	/	/	/	17-18
Size mm	1,200*600*20-50/900*600*20-80/600*400*10-50				
Packing	Carton or Wood box				

CERAMIC FIBER TEXTILES

Ceramic Fiber Cloth

APPLICATIONS

- All kinds of industrial furnace and flue insulation and sealing
- Fire and heat insulation and sealing
- High temperature pipe insulation and sealing
- Flexible Expansion Joints
- High temperature valve and pump seals
- Heat exchangers and kiln car seals

TYPE

- 1) Stainless steel wire reinforced ceramic fiber
- 2) Glass filament reinforced ceramic fiber

SERVICE TEMPERATURE

- 650/1,050 °C

DIMENSION

- 30,000*1,000*2/3mm



Ceramic Fiber Rope

APPLICATIONS

- All kinds of industrial furnace and flue insulation and sealing
- Fire and heat insulation curtain
- High temperature pipe insulation and sealing
- Flexible Expansion Joints
- High temperature valve and pump seals
- Heat exchangers and kiln car seals

TYPE

- 1) Stainless steel wire reinforced ceramic fiber
- 2) Glass filament reinforced ceramic fiber

SERVICE TEMPERATURE

- 650/1050 °C

DIMENSION

- Dia 10/20/25/30/50mm

CERAMIC FIBER PAPER

APPLICATIONS

- Insulation gasket
- Electric appliances thermal insulation material
- Auto muffler, exhaust muffler pipe insulation material
- Furnace masonry expansion joints, sealing material
- Temperature filter, lid seal.



Type	1260	1400	1450
Classification Temp °C	1,260	1,400	1,450
Working Temp °C	1,050	1,200	1,350
Density kg/m ³	200±10		
Alumina (Al ₂ O ₃) %	46	52-55	32-33
Zirconium (ZrO ₂) %	/	/	17-18
Dimension mm	40,000*610*0.6; 60,000*610*1; 30,000*610*2; 20,000*610*3; 12,000*610*5; 10,000*610*6		
Packing	Inner Plastic Bag + Outer Carton		