

Ceramic Fiber Bulk



Product Introduction

ASTS Ceramic Fiber Friction Material is made from standard ceramic fiber blown/spun bulk through shear, slag removal processes, and secondary processing, as one of ideal raw material for production of friction materials.

Product Features

Low thermal conductivity, low thermal capacity
Excellent thermal stability and good resistance to heat shock
Excellent thermal insulation, fire-proof and sound absorption

Product Application

- The industry kiln, heating device, high temperature pipe lining
- The industry kiln, heating device, high temperature pipe lining
- Power boiler, gas turbine and heat and nuclear power insulation
- Chemical industrial high temperature equipment and heating equipment lining
- Fireproof and heat insulation for high building
- Heat insulation for Kiln door and roof.
- High-grade household appliances thermal insulation device
- High temperature filtration etc

Bulk series (1) Ceramic fiber spun bulk (2) Ceramic fiber blown bulk (3) Bio-soluble ceramic fiber bulk

Product Technical Specifications

Item		STD	HP	HA	ZA	HTZ
Classification Temp (°C)		1260 (2300F)	1260 (2300F)	1360 (2480F)	1360 (2480F)	1430 (2600F)
Working Temp (°C)		≤1050	≤1100	≤1200	≤1200	≤1350
Color		Pure White	Pure White	Pure White	Pure White	Pure White
Thermal Conductivity (w/m.k)	400C	0.095	0.095	0.114	0.114	0.122
	500C	0.123	0.123	0.135	0.135	0.153
	600C	0.158	0.158	0.191	0.191	0.184
Permanent Linear change (%)		1000°C X24h≤ -3	1100°C X24h≤ -3	1200°C X24h≤ -3		1350°C X24h≤ -3
Chemical Composition (%)	AL2O3	45-46	47-49	52-55	45-46	39-40
	AL2O3+SIO2	97	99	99	-	-
	AL2O3+SIO2+ZrO2	-	-	-	99	99
	ZrO2	-	-	-	5-7	15-17
	Fe2O3	≤1.0	≤0.2	≤0.2	≤0.2	≤0.2
	Na2O+K2O	≤0.5	≤0.2	≤0.2	≤0.2	≤0.2
Package		Plastic weaving bag and cartons				
Certificate		CE,ISO9001-2008; ISO14001-2004,SGS, ROHS,SASO, REACH				

Ceramic Fiber Blanket



Product Introduction

ASTS Ceramic Fiber Blanket (Aluminum silicate ceramic fiber blanket) is manufactured from aluminum silicate fiber bulk spinning from Kaolinite, alumina silicon dioxide and zircon sand, which been series processing of needling ,cutting and rolling, including 1260°C Standard, 1260°C High pure, 1360°C High Aluminum, 1430°C Zirconium ceramic fiber blanket.

Product Features

Low thermal conductivity, low thermal capacity
Excellent thermal stability and good resistance to heat shock
Excellent tensile strength

Product Application

- The industry kiln, heating device, high temperature pipe lining
- Power boiler, gas turbine and heat and nuclear power insulation
- Chemical industrial high temperature equipment and heating equipment lining
- Fireproof and heat insulation for high building
- High-grade household appliances thermal insulation device
- High temperature filtration etc

Blanket series (1) Ceramic fiber blanket (2) Bio-soluble ceramic fiber blanket
(3) Hydrophobic ceramic fiber blanket (4)1600C Polycrystalline Blanket

Item		STD	HP	HA	ZA	HTZ
Classification Temp (°C)		1260 (2300F)	1260 (2300F)	1360 (2480F)	1360 (2480F)	1430 (2600F)
Working Temp (°C)		≤1050	≤1100	≤1200	≤1200	≤1350
Color		Pure White	Pure White	Pure White	Pure White	Pure White
Bulk Density (Kg/m ³)		64-160	64-160	96-160	96-160	96-160
Permanent Linear change (%)		1000°C X24h≤ -3	1100°C X24h≤ -3	1200°C X24h≤ -3		1350°C X24h≤ -3
Thermal Conductivity (w/m.k)	400C	0.095	0.095	0.114	0.114	0.122
	500C	0.123	0.123	0.135	0.135	0.153
	600C	0.158	0.158	0.191	0.191	0.184
Tensile Strength (Mpa)		0.04-0.06	0.05-0.075	0.05-0.075	0.05-0.075	0.05-0.075
Chemical Composition (%)	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
Size(mm)		Length:3600 & 7200 & 14640 Width:610 & 1220 Thickness: 6-60; As customer's requirements.				
Package		Plastic weaving bag and cartons				
Certificate		CE,ISO9001-2008; ISO14001-2004,SGS, ROHS,SASO, REACH				