

Blanket

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Product Introduction

The fiber blanket is made by cotton collection and mechanical needle punching. After the mechanical knitting process, its strength and surface integrity are improved. The knitting process is to force the fiber loose cotton to form a matrix without using chemical binders, thereby producing a continuous fiber blanket.

High temperature resistant insulation cotton is a material suitable for high temperature environments, such as the insulation lining of metallurgical furnaces and furnaces, petrochemical heating furnaces and livestock furnaces.

Application

High temperature resistant insulation wool is a material used in high temperature environments, such as the insulation lining of metallurgical furnaces and soldering furnaces, petrochemical industry heating furnaces and livestock furnaces.



- During use, high temperature insulation fibers can:
- \*Protect people and objects from high temperatures
  - \*Reduce greenhouse gas emissions
  - \*Reduce energy consumption and improve furnace and process equipment efficiency

Excellent thermal insulation effect

- \*Not affected by most chemicals Superior thermal stability,\*Good anti-powdering ability
- \*Low heat storage
- \*Spinning long fibers plus double-sided needle punching process produce tough, high-resilience and high-strength fiber blankets, tear-resistant before and after heating, heat-resistant and shock-resistant Good sound absorption effect

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Aluminum silicate ceramic fiber blanket & alumina fiber blanket technical data sheet

Properties	1260Ceramic fiber blanket	1430Ceramic fiber blanket	1500Ceramic fiber blanket	1600PCW blanket
Color	white	white	Green	white
Classification Temperature°C	1260	1430	1500	1600
Continuous Use Temperature, °C	1060	1230	1300	1500
Density, kg/m3	96/128	96/128	96/128	128/150
Tensile Strength KPa (128KG/M3)	> 75	> 75	> 75	> 100
Permanent Linear Shrinkage, %,24 hours				
1000°C	< 4			
1300°C		< 4		
1400°C			< 4	
1500°C				< 1
Chemical Composition, %				
Alumina, Al2O3	44	36	37	72
Silica, SiO2	54	44	50	28
Zirconia oxide, ZrO2	-	15-16	6	-
Alumina+Silica	98	-	-	99
Alumina+Silica+Zirconia oxide	-	99	-	
Thermal Conductivity, W/m·K				
600°C	0.15			0.064
800°C	0.22	0.21	0.19	0.094
1000°C	0.31	0.31	0.28	0.169
1300°C	-	-	0.3	0.25

Aluminum silicate ceramic fiber blanket product size

Length (MM)	Width (MM)	Thickness (MM)	Packaging
10/12.5	610/1220	14400	Woven bag lined with waterproof film or small carton packaging (470*470*630mm)
15	610/1220	10000	
20/25	610/1220	7200	
30	610/1220	6000	
40	610/1220	4500	
50	610/1220	3600	

Alumina fiber blanket product size

Length (MM)	Width (MM)	Thickness (MM)	Packaging
6	610	36000	Small carton packaging
12.5	610	21600	
25	610	7200	

\*Special sizes can be designed and manufactured according to customer requirements. For more specifications and detailed technical solutions, please contact our sales engineer. The technical data of the product is the average value measured by the adopted test standard. The value will fluctuate within a certain range. This data does not represent the quality assurance data of the product.



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