
Ceramic fiber blanket

Product description:ceramic fiber blanket select the high standard raw material, after the melting of the resistance furnace and special needle process then molding by high temperature treatment. It is applicable to different temperatures. It can be made into Alumina foiled ceramic fiber blanket according to the requirement of the customers.

Features:

Good extension strength. Continuous long fiber and double needled process guarantee the extension strength of the ceramic fiber blanket no matter before or after affected by the heat .

Good sound absorbing performance .

Excellent thermal shock resistance

Stretch flexible and elastic

Application:

The wall lining of the furnace, kiln roof insulation, furnace door sealing, flue lining

Duct insulation, the insulating of the internal components of the transport facilities

High temperature filter

Technical data:

Type	STD	HP	Synthesis	HA	HZ	HCr
Classify Temp. (°C)	1260	1260	1260	1350	1430	1500
Density (kg/m ³)	96/128/160					
Tensile strength (Kpa) on 128kg/m ³	75	75	75	75	75	70
Permanent Change on Heating for 24h (%)	≤3 (1000°C)	≤3 (1100°C)	≤3 (1200°C)	≤3 (1200°C)	≤3 (1350°C)	≤3 (1400°C)
Coefficient of Thermal Conductivity W/(m · k)(128kg/m ³)						
200°C	0.05	0.05	0.05	0.05	0.05	0.05
400°C	0.09	0.09	0.09	0.09	0.09	0.09

600°C	0.15	0.15	0.15	0.15	0.15	0.15
800°C	0.20	0.20	0.20	0.20	0.20	0.20
1000°C	0.27	0.27	0.27	0.27	0.27	0.27
Chemical Composition (%)						
Al ₂ O ₃	≥44	45-47	45-47	52-55	35-37	43
ZrO ₂	-	-	-	-	≥15	-
Cr ₂ O ₃	-	-	-	-	-	2.0-3.8
Al ₂ O ₃ +SiO ₂	≥98	≥99.1	≥99.1	≥99.1	-	-
Al ₂ O ₃ +SiO ₂ +ZrO ₂ / Cr ₂ O ₃	-	-	-	-	≥99.1	≥99.1

Specifications:

Thickness	Density kg/m ³				Length	Width
	64	96	128	160		
mm	64	96	128	160	mm	mm
6	-	-	○	○	14640	610
13	-	○	√	○	14640	
19	-	√	√	○	9760	
25	○	√	√	√	7320	
38	○	√	√	√	4880	
50	○	√	√	-	3660	

Note: (○) and 1220mm width can be customized according to customer (order amount should not be less than the minimum order quantity)

(√) for conventional products