

7.3,Ceramic Fiber Blanket



Kingwell Ceramic Fiber Blanket is made of special ceramic long-fiber that is produced by the melting of very pure raw materials in double surface needling process without binders and with good stability in a large range of temperature. The process of double surface needling increase interweaving and tensile strength.

Characteristics:

- Excellent thermal stability
- Excellent chemistry quality
- Resistance to burning
- Low thermal conductivity
- Low thermal capacity
- Good insulation
- Good obstructing voice and mechanism
- Strength
- Low shrinkage
- Good springiness for fibers
- Convenient producing and installing

Specifications:

Item	1000Blanket	1260Blanket	1400Blanket	1500Blanket	1600Blanket
Classification temperature (C.deg)	1000	1260	1400	1500	1600
Melting point (C.deg)	1760	1760	1700	1760	---
Color	White	White	White	Blue-green	White
Fiber diameter (mm)	2.6	2.6	2.8	2.65	3.1
Fiber length (mm)	-250	-250	-250	-150	-100
Density for fibers (Kg/m ³)	2500	2600	2800	2650	3100



Kingwell Fibre Materials Co.,Ltd

Chemical Compositions of Blanket :

Item	1000Blanket	1260Blanket	1400Blanket	1500Blanket	1600Blanket
AL ₂ O ₃ (%)	40.0	47.1	35.0	40.0	72
SiO ₂ (%)	55.0	52.3	49.7	58.1	28
ZrO ₂ (%)			15.0		
Cr ₂ O ₃ (%)				1.8	

Typical Applications:

Joint sealing and filling insulation (kiln car, pipeline, kiln door and so on)

Fiber composite (for example: grinding parcel)

Internal and external lining for industrial furnace

Structure refractory and sponging sounds

Materials for hot filtration

Raw materials for further producing

Standard types :

Blanket(1000, 1260,1400,1500,1600 C.deg)

Volume density: 64, 96,128,160 kg/m³

Dimensions: 7200*600*6, 12.5, 20, 25, 38, 50mm