

TECHNICAL DATA SHEET**CERAMIC FIBRE BLANKET****CBL Series**

Ceramic Fiber Blanket is made from bulk fibers, produced by the most modern spinning needling and thermal forming processes. Ceramic Fiber Blanket consist of a group of thermally efficient high temperature insulating materials that combine the advantages of both low heat storage and complete resistance to thermal shock.

Offering a broad range of thermal capabilities and physical characteristics, Ceramic Fiber family provides proven and effective solutions to a variety of heat processing applications.



Classification Temperature: 1140°C, 1260 °C, 1360°C, 1400°C, 1430 °C

Features

- Heat resistance
- Low thermal conductivity
- Thermal shock resistance
- Excellent chemical stability
- Low shot content
- Low heat storage
- High tensile strength

Application

- Industrial furnace lining
- High temperature pipes heat preserve
- Heat resistant sealing gasket
- Glass tank furnace thermal insulation
- Power boiler and nuclear heat insulation
- Ceramics kilns thermal insulation
- High temperature filter materials

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Item	1140	1260 STD			1260 HP			1430 HZ		
Chemical Composition										
Al2O3	≥40	44			≥45			≥34		
Al2O3+SiO2	≥95	≥96			≥98			≥85		
ZrO2		-			-			≥15		
Al2O3+SiO2+ZrO2		-			-			≥99		
Fe2O3+RTiO2	≤0.5	1			≤0.5			≤0.5		
K2O+Na2O	≤0.2	1			≤0.2			≤0.2		
Density (Kg/M3)	80/96	80	96	128	96	128	160	96	128	160
Classification Temperature	1140 (℃)	1260 (℃)			1260 (℃)			1430 (℃)		
Shot Content(%)	≤15	≤15			≤15			≤12		
Fiber Diameter (um)	3.5	3.5			3.5			3.5		
Permanent Heating Linear Change (%)					1100℃ X24h≤-2.5			1350℃ X24h≤-2.5		
Thermal Conductivity (W/m.k)										
400℃	0.1/0.09	0.1	0.09	0.095	0.124	0.114	0.101	0.138	0.122	0.118
500℃	0.12/0.11	0.122	0.119	0.123	0.145	0.135	0.12	0.179	0.153	0.145
600℃	0.14/0.15	0.155	0.152	0.158	0.202	0.191	0.175	0.22	0.184	0.172
Tensile Strength (Mpa)	0.04	0.04	0.04	0.05	0.05	0.06	0.075	0.05	0.06	0.075
Specifications (mm)	Length X Width: 14400/7200/3600X1220/610									
	Thickness: 6~60mm									
Packing	Plastic bag inside, carton box outside or with pallet or woven bags									
	Can be customized by specific requirement.									
Quality	ISO9001-2008									
Certificate	ISO14001-2004									

The data shown above is average results of test under standard procedures. There shall be some adjustment in normal mass manufacturing. For more information on the safety application or materials, please refer to the work practices and material safety data sheet.