

## CERAMIC FIBER BLANKET

### General Information

Ceramic fiber blanket is made from high quality Gao-ling clay, high purity alumina and silica oxides by spun or blown process. It is asbestos free. No chemical binder is added. Double-side needling provides blanket with great tensile or handing strength for easy installation. Optional, aluminium foil in one face.



### Features

- ◆ Low thermal conductivity
- ◆ High tensile strength
- ◆ Resilient to thermal shock
- ◆ Corrosion resistance

### Application

- ◆ Petrochemical process heater refractory fiber lining
- ◆ General furnace backup insulation
- ◆ Heat treating furnace or intermittent (shuttle) kiln hot face lining
- ◆ Electrical insulator
- ◆ Heat seals for kiln car or furnace door
- ◆ High temperature acoustic
- ◆ Fire protection

		STD	HP	HA	HZ
Temperature Grade	°C	1260	1260	1350	1430
	°F	2300	2300	2460	2600
Recommended Operating Temp.	°C	1050	1100	1200	1350
	°F	1920	2010	2190	2460
Available Density	Kg/m <sup>3</sup>	64,96,128,160			
	lb/ft <sup>3</sup>	4,6,8,10			
Color		White	White	White	White
Thermal Shrinkage (24hrs) 128Kg/m <sup>3</sup>	%	≤3	≤3	≤3.5	≤3.5
	°C	1150	1250	1300	1350
Thermal Conductivity (W/m.k) 128Kg/m <sup>3</sup>	800°C	0.15	0.176	-	-
	1000°C	0.17	0.22	0.18	0.23
	1200°C	-	-	0.26	0.31
Chemical Composition					
Al <sub>2</sub> O <sub>3</sub>	%	45-47	45-46	53-55	38-54
Al <sub>2</sub> O <sub>3</sub> +SiO <sub>2</sub>	%	98.5	99	99	82-90
ZrO <sub>2</sub>	%	-	-	-	10-18
Size	mm	Width: ≤1220 Thickness: 6-60 (Non-standard sizes are available upon request)			

This information, subject to change, is offered solely for your consideration. Users of our products should make their own tests to determine the suitability of each product for their particular purposes.