



CERAMIC FIBER BLANKET

***Ceramic Fiber Spun Blanket (Double-needled)**

Product Characteristic:

1. Low thermal conductivity, low heat loss.
2. Low density, low heat storage.
3. Double-needled, with excellent elasticity
4. Excellent elasticity and tensile strength.
5. Excellent high temperature resistance.
6. Wide and easy to install.
7. Excellent sound-absorb capability.

Application Range:

1. Insulation materials of tubes and heat equipment in the industry of Metallurgy and Petrochemical.
2. Insulation materials of furnace, machine and tubes in the industry of electric power.
3. The insulation and seal materials of furnace expanded gaps, furnace door, furnace top lid, etc.
4. Back-lining and paper lining material high- temperature furnace with complete ceramic fiber structure.
5. Insulation materials in the production of shipping.

TECHNICAL INDEX:

Item Product	COM	ST	HP	HZA	HZ	
Specification Tem(°C/°F)	982/1800	1260/2300	1260/2300	1350/2400	1430/2600	
Working Teem(°C)	950	1050	1100	1200	1350	
Color	white	white	white	white	white	
Fiber diameter:(μm)	2-4	2-3.5	2.5-3.5	2.5-3.5	2.5-3.5	
Melting Point(°C/°F) :	1648/3000	1760/3200	1760/3200	1760/3200	1760/3200	
Thermal	200 °C	0.045-0.060	0.045-0.060	0.045-0.060	0.052-0.070	0.052-0.070
Conductivity(W/m.k) (128kg/m ³)	400 °C	0.085-0.110	0.085-0.110	0.085-0.110	0.095-0.120	0.095-0.120
	600 °C	0.152-0.20	0.152-0.20	0.152-0.20	0.164-0.210	0.164-0.210
24 hours, the Shrinkage On Heating(°C/≤-3%)	950°C	1000°C	1100°C	1200°C	1350°C	
Leach able Chlorides	-	<10 ppm	<10 ppm	<10 ppm	<10 ppm	
Chemical composition (%)	Al ₂ O ₃	41-44%	43-46%	46-49%	40-45%	29-31%
	SiO ₂	52-55%	53-57%	53-57%	45-48%	53-55%
	ZrO ₂	—	—	—	8-10%	15-17%
	Fe ₂ O ₃	1.2	0.2%	0.2%	0.2%	0.2%
	Other	<1.5%	<0.5%	<0.5%	<0.5%	<0.5%
Shot content (%)	≤15					
Tensile strength(MPa)	≥0.04(Double-needled Blanket , density 96/128kg/m ³ , tensile strength≥0.06MPa)					
Specific Heat@1093°C (2000°F)	1130J/kg°C(0.27Btu/lb°F)					
Density:kg/m ³ (lb/ft ³)	64,96,128,160(4, 6.8,10lb)					
Size:	7200(3600)×610×13/20/25/50mm The size creates according to the demand of the customer					