



**HENAN SYNTHE CORPORATION**

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## **DETAIL INFORMATION**

### **CERAMIC FIBER BLANKET**



#### **Products Description**

Aluminum silicate ceramic fiber blanket is manufactured from standard and zircon ceramic fiber bulk which produced by blown work, and then processed by work of needling, heat setting, cutting and rolling etc.

Alumina ceramic fiber blanket, is manufactured from high-purity alumina fiber substrate which is produced by sol-gel methods, processed by special spray, spinning etc. to get the uniform and continuous fiber, then produced by technology of double-sided needling, heating setting, cutting and rolling etc., to improve the degree of fiber interlacing, and optimize the performance of resistance to layering.

#### **Product Advantages**

1. Low thermal conductivity & Low thermal capacity
2. Good chemical stability
3. Excellent thermal stability and good resistance to heat shock
4. Excellent tensile strength
5. Good sound absorption

## Product Application

- 1.Linings for industrial kilns
- 2.Insulation for high temperature flue, heat resistance and keep warm
- 3.Thermal insulation for household appliance
- 4.Fire proof, heat resistance and sound absorption for building
- 5.Insulation for regenerative stove
- 6.Sealing for door and gap of furnace
- 7.Overflow layer for photovoltaic equipment
- 8.Anti-washout layer against fire of gas stove

## Technical Data

Type	HN-1260T	HN-1400T	HN-1600T	
Classification Temperature( °C)	1260	1400	1600	
Working Temperature( °C)	1100	1300	1500	
Color	Pure White	Pure White	Pure White	
Density( kg/m <sup>3</sup> )	128	128	128	
Thermal conductivity( w/mk)	400°C	0.09	0.07	-
	600°C	0.15	0.12	-
	800°C	0.22	0.16	0.08
	1000°C	-	0.22	-
	1200°C	-	-	0.17
Chemical Composition( %)	Al <sub>2</sub> O <sub>3</sub>	42-44	34-36	72
	SiO <sub>2</sub>	56	49	28
	ZrO <sub>2</sub>	-	14-17	-
	CrO <sub>2</sub>	-	-	-
	Fe <sub>2</sub> O <sub>3</sub>	<1.2	<1.0	<0.1
Shrinkage( %)	1100°C*24h (2-3)	1200°C*24h (1.5-2.5)	1500°C*24h (0.5-1.3)	

**Standard Size:** 7200×610×6-50mm

**Note:** Working temperature is accord to the long-term oxidizing atmosphere, while special working environment needed, please make technical communication first.