



## HENAN SYNTHE CORPORATION

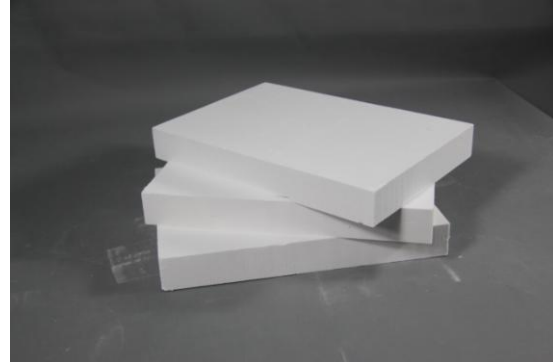
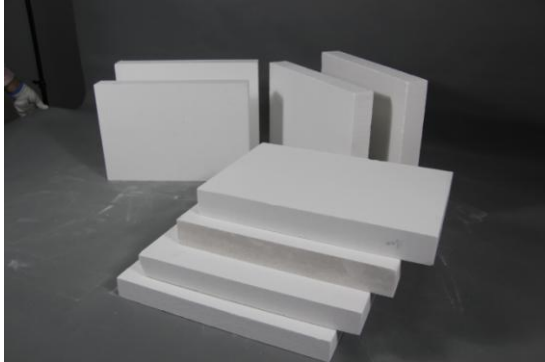
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### DETAIL INFORMATION

#### CERAMIC FIBER BOARD



#### Products Description

Ceramic fiber board, using ceramic fiber bulk and inorganic binder, which is manufactured through wet forming process, vacuum suction filter, extrusion, drying and polishing etc. They have high temperature stability, low thermal conductivity, excellent resistance to thermal shock, excellent machinability and high anti-pulverization ability.

#### Product Advantages

1. Light weight, low thermal capacity and low thermal conductivity
2. Good chemical stability and excellent anti-erosion
3. Excellent thermal stability and good resistance to heat shock
4. Excellent bending strength against high temperature and good temperature tolerance
5. Excellent machinability
6. Uniformed structure, and high anti-pulverization ability
7. Easy to be installed and used

#### Product Application

1. Insulation for high temperature furnaces
2. Surface insulation of industrial kilns
3. Fire-barrier material for multi-temperature-zones furnace
4. Backing insulation of petroleum, chemical and metallurgical furnace
5. High temperature sintering sagger
6. High temperature sealing for machine and precision mold

## Technical Data

Type		HN-1260B	HN-1400B	HN-1500B	HN-1600B	HN-1700B	HN-1800B	HN-1900B
Classification Temperature( °C)		1260	1400	1500	1600	1700	1800	1900
Working Temperature( °C)		1000	1200	1350	1500	1600	1700	1780
Color		Pure White	Pure White	Pure White	Pure White	Pure White	Pure White	Pure White
Density( kg/m <sup>3</sup> )		250-400	250-400	300-400	400	350-400	400-500	600-700
Thermal Conductivity( w/mk)	400°C	0.09	-	-	-	-	-	-
	600°C	0.12	0.12	0.12	-	-	-	-
	800°C	0.16	0.15	0.16	0.14	0.15	0.17	0.2
	1000°C	-	0.23	0.23	0.17	0.19	0.24	0.3
	1200°C	-	-	0.25	0.23	0.25	0.28	0.33
Chemical Composition( %)	Al <sub>2</sub> O <sub>3</sub>	43	45	60	64	75	75	87
	Al <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub>	98	98	98	98	99	99.5	99.5
	BaO	<0.2	<0.2	<0.2	<0.1	<0.05	<0.05	<0.05
	Fe <sub>2</sub> O <sub>3</sub>	<1.2	<1.2	<0.5	<0.5	<0.2	<0.1	<0.1
Shrinkage( %)	1100°C*24h							
		-2.2	-2	-1.5	-0.5	-0.5	-0.20	+0.1~-0.2
Combustion Loss( %)		≤5%	≤5%	≤4.5%	≤4.5%	≤5%	≤3.5%	≤4%

**Standard Size:** 1200×1000×50mm/ 1000×600×50mm

**Customized Size:** Thickness range 20-100mm

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