

## Ceramic Ht Board



### Properties

HT Boards are rigid board type products manufactured from alumina fiber with organic and inorganic binder, using advanced vacuum forming process, and pre-fired in high temperature furnace. The boards are widely used as hot-face insulation in high temperature furnaces up to 1600°C.

HT Boards provide highly efficient thermal insulation, excellent high temperature stability, low thermal conductivity, good compressive strength.

#### Physical Properties

	HT-1500	HT-1600
Color	White	White
Density (Kg/m <sup>3</sup> )	350-400	350-400
Max.Temp. (°C)	1500	1600
Melting Point (°C)	2000	2000
Liner Shrinkage (24hr,%)	2 (1400°C'de)	3 (1500°C'de)
Modulus of Rupture (Mpa)	0.9	0.9
Compressive Strength (Mpa)	0.3	0.3
Thermal conductivity (W/m.K)	1000°C	0.20
	1200°C	0.26
	1400°C	0.31

#### Chemical Analysis

Al <sub>2</sub> O <sub>3</sub>	54	72
SiO <sub>2</sub>	45	27.6

#### Typical Applications

- Hot face linings in furnace and kiln
- Self-supporting insulation in laboratory kilns and furnace.
- Hot face insulation in bright annealing furnaces.
- Insulation in hydrogen furnaces

#### Availability

- 900 x 600 x 15-50mm, 1000 x 610 x 15-50mm
- Custom size or density available upon request

#### Advantages

- High temperature stability
- Low thermal conductivity
- Low heat storage
- Excellent corrosion resistance
- Thermal shock resistance

*Bu bilgiler, de i ebilen tipik özellikleri temsil etmektedir ve spesifikasyon amacıyla kullanılmamalıdır.  
This data represents typical properties subject to variations and should not to be used for specification purposes.*