

**Distributor : DAI VIET TRADING & TECHNICAL SERVICES COMPANY.,Ltd**



### **High Density High Alumina Brick , Insulating Fire Bricks ISO9001**

The most competitive price,good quality,safy packing,prompt delivery time,and excellent after-sales services.

Lower ferric Oxide,lower porosity,higher refractoriness,higher density,higher CCS and exact tolerance.

#### **Description:**

Laurel high alumina bricks are produced with selected bauxite chamotte by advanced process and strict quality control. The main mineral components are corundum and mullite phases. It features excellent high temperature mechanics and chemical corrosion resistance.

#### **Features**

- 1.Resisting high temperature
- 2.Great bulk density
- 3.Low iron content
- 4.Good eroding resistance

#### **Applications:**

1. Steel furnaces
2. Iron making furnaces
3. Glass kiln
4. Ceramic tunnel kiln
5. Cement kiln

#### **Specifications:**

##### **Ordinary High alumina brick**

Item	HA60	HA70	HA75	HA80
AL <sub>2</sub> O <sub>3</sub> (%)	≥60	≥70	≥75	≥75-80
SiO <sub>2</sub> (%)	32	22	20	≥18
Fe <sub>2</sub> O <sub>3</sub> (%)	≤1.8	≤1.8	≤1.8	≤1.8
Refractoriness °C	1790	> 1800	> 1825	≥1850
Bulk density,g/cm <sup>3</sup>	2.4	2.45-2.5	2.5	2.55-2.6
Softening temperature under load	≥1470	≥1520	≥1530	≥1550



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Apparent porosity, %	22	< 21	< 21	< 20
Cold Crushing strength Mpa	≥45	≥50	≥54	≥60

**Phosphate bonded high alumina bricks**

Item	LAP75	LAP77	LAP85
AL <sub>2</sub> O <sub>3</sub> %	≥75	≥77	≥80-85
Fe <sub>2</sub> O <sub>3</sub> %	≤3.0	≤3.0	≤1.8
CaO %	≤0.6	≤0.6	≤0.6
Refractoriness °C	≥1800	≥1800	≥1850
Bulk density g/cm <sup>3</sup>	≥2.65	≥2.70	≥2.80
Cold crushing strength MPa	≥60	≥64	≥110
Refractoriness under load 0.2MPa °C	≥1350	≥1300	≥1350
Application	Used for high temperature parts lining of cement rotary kiln	Used for Badly worn parts of cement rotary kiln	

**Competitive Advantage:**

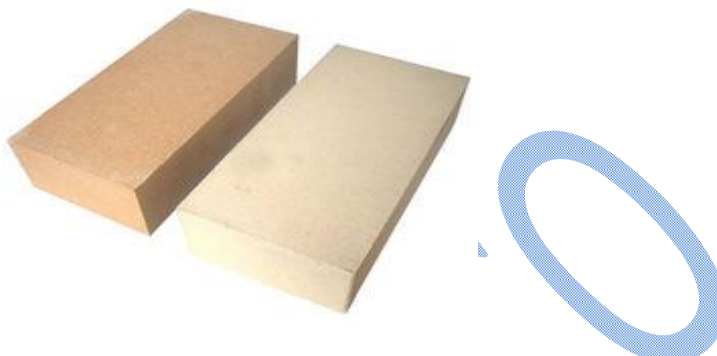
1. Competitive Price. Make the products competitive in your market.
2. Abundant Experience. Prevent cracks and twist in bricks.
3. Different Moulds. Save mould fees for you.
4. Strict Quality Control. Meet clients' quality requirement.
5. Large stocks. Guarantee prompt delivery.
6. Professional Packing. Avoid damage and secure the goods in transportation

**Tag :**

high alumina refractory brick high alumina cement

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## High Temperature Insulation Clay Fire Brick Lightweight , Refractory Insulating Brick



### **High Temperature Insulation Clay Fire Brick Lightweight , Refractory Insulating Brick**

The most competitive price, good quality, safe packing, prompt delivery time, and excellent after-sales services.

Lighter weight, Low thermal conductivity, low impurities, high insulating properties, high CCS and exact tolerance.

**Description:**

It is a kind of the light weight refractory products which contains the alumina content range from 30% to 46% .

Ingredients and water mixed together made the plastic pug or slurry, then Extruded-Form or moulding by casting, dry, and firing in the 1250-1350°C oxidizing atmosphere.

**Applications:**

Mainly used as thermal insulating layer without the liquid melt touched or gas pickling in the constructing the various industry furnaces.

The working temperature is 1200-1400°C

**Specifications:**

Sunrise Brand	LA-0.5	LA-0.6	LA-0.8	LA-1.0	LA-1.3
USA Brand	ISO125-0.5	ISO125-0.6	ISO135-0.8	ISO135-1.0	ISO140-1.2
Max Service Temperature (°C)	1150	1200	1280	1300	1350
Bulk Density (g/cm <sup>3</sup> )	0.55	0.6	0.8	1.0	1.3
Apparent Porosity %	80	70	60	55	50
Cold Crushing Strength (Mpa) ≥	1.5	2.0	2.5	3.0	4.0
Reheating Linear Change (%) °C X 12H ≤	1250°C -0.5	1300°C -0.5	1350°C -0.5	1350°C -0.9	1350°C -0.9
Thermal conductivity(W/m.k)	400°C	0.14	0.25	0.35	0.41
	600°C	0.16	0.29	0.45	0.43



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TECHNICAL COMPANY

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**Competitive Advantage:**

1. Best price, make the products competitive in your market
2. Abundant Experience.
3. Strict Quality Control. Meet clients' quality requirement.
4. Large stocks. Guarantee prompt delivery.
5. Professional Packing. Avoid damage and secure the goods in transportation