Glass Furnace Silica Refractory Brick Alumina Silica Fire Brick Custom Fused Silica Bricks

Our Product Introduction

Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng Fused Silica Brick
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month

Product Specification

- Acid Resistance: Excellent
- Alkali Resistance: Excellent
- Application: Furnace, Kiln, Boiler, Etc.
- Color: Red, White, Gray, Black
- Compressive Strength: ≥35MPa
- Density: 2.2-2.7 G/cm3
- Flexural Strength: ≥10MPa
- Material: Clay, Alumina, Silica
- Porosity: ≤18%
- Refractoriness: ≥1700
- Shape: Rectangular, Square, Circular, Custom
- Size: Custom
- Thermal Conductivity: ≤1.0 W/m.K
- Thermal Shock Resistance: Excellent
- Highlight: **Glass Furnace Silica Refractory Brick**,

Our Product Introduction

Product Description

Silica Refractory Brick Alumina Silica Fire Brick Custom Fused Silica Bricks For Glass Furnace

Description of Fused silica brick

Fused silica brick is a high-quality refractory material known for its excellent thermal stability, low thermal expansion, and resistance to thermal shock. It is primarily composed of pure silica (SiO_2) that has been melted and fused into a dense, high-purity structure.

Fused silica bricks are almost entirely composed of silicon dioxide (SiO_2). They are made from high-purity silica sand or quartz, which is melted and then rapidly cooled to form a solid, dense structure.

Features of Fused silica brick

High Temperature Stability: Fused silica bricks are capable of withstanding extremely high temperatures, making them suitable for use in environments where extreme heat is present.

1.Low Thermal Expansion

2.Excellent Thermal Shock Resistance

3.Chemical Inertness

Applications of Fused silica brick
Fused silica bricks find applications in industries such as glass manufacturing, ceramics, metallurgy, and high-temperature processes. They are used in the construction of glass melting furnaces, coke ovens, and other high-temperature equipment.

Technical Parameter of Fused Silica Brick:

Item	Index
SiO_2 %	≥98
Al_2O_3 %	≤0.3
Fe_2O_3 %	≤0.5
CaO %	≤0.2
Bulk Density g/cm^3	≥1.8
Apparent Porosity %	≤20
Cold Crushing Strength MPa	≥30
0.2Mpa Refractoriness Under Load	≥1650
Thermal expansion coefficient % 1000	≤0.2
Thermal shock resistance cycle 1100 water cooling	≥30

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