

Alumina Silica Refractory Bricks For High Temperature Kilns

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: RSAS60, RSAS70, RSAS75, RSAS80
- 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: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons/month



Product Specification

- Highlight: High Temperature Kilns Refractory Bricks, High Temperature Alumina Silica Refractory Bricks

Product Description

Product Description of Rongsheng Factory Supply Hot Sale Good Price Alumina Silica Refractory Bricks For High Temperature Kilns

Rongsheng Refractory's alumina silica bricks are advanced materials designed for high-temperature use in a wide range of industries. Made mainly from alumina (Al_2O_3) and silica (SiO_2), these bricks provide outstanding resistance to heat, corrosion, and wear. With their superior mechanical strength and long-lasting durability, they are the perfect solution for demanding conditions where both high temperatures and chemical exposure are critical factors.

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Key Features of Alumina Silica Refractory Bricks

High-Temperature Resistance: Designed to withstand temperatures up to 1,750°C, these bricks provide exceptional thermal stability in a wide range of industrial furnaces.

Superior Corrosion and Erosion Resistance: Alumina silica bricks excel in harsh conditions, especially in environments exposed to acidic or alkaline substances.

Strong Mechanical Strength: Their robust construction ensures minimal wear and structural integrity, even in prolonged, high-temperature applications.

Low Thermal Conductivity: The bricks' thermal insulation properties help improve energy efficiency by minimizing heat loss in kilns, furnaces, and other high-temperature systems.

Applications of Alumina Silica Refractory Bricks

Alumina silica refractory bricks are highly versatile and resilient, making them indispensable across various industries such as steel, cement, glass, and ceramics. Their exceptional thermal resistance, mechanical strength, and ability to withstand harsh conditions make them ideal for numerous high-temperature applications, including:

Steel Furnaces: Alumina silica bricks are essential for lining blast furnaces, electric arc furnaces, and ladles in steelmaking processes. They provide the necessary heat resistance and wear durability to handle the intense temperatures and mechanical stress involved.

Cement Kilns: These bricks are ideal for rotary kilns, preheater towers, and clinker coolers, offering exceptional thermal shock resistance and durability. They perform well in handling the extreme conditions found in cement manufacturing, ensuring extended service life.

Glass Melting Tanks: In the glass industry, alumina silica bricks offer excellent stability and resistance to thermal cycling, making them suitable for use in glass melting tanks and other high-temperature areas where frequent temperature fluctuations occur.

Ceramic Kilns: For the ceramics industry, these bricks are widely used in kiln linings due to their ability to provide high thermal insulation, prevent heat loss, and maintain structural integrity under continuous heating cycles. This helps in achieving energy efficiency and prolonging kiln life.

Their wide application across these industries is a testament to their high performance and reliability in some of the most demanding operational environments.

Product Specification of Hot Sale Good Price Alumina Silica Refractory Bricks For High Temperature Kilns

| Item | RSAS60 | RSAS70 | RSAS75 |
|------------------------------------|--------|----------|----------|
| AL ₂ O ₃ (%) | ≥60 | ≥70 | ≥75 |
| SiO ₂ (%) | 32 | 22 | 20 |
| Fe ₂ O ₃ (%) | ≤1.7 | ≤1.8 | ≤1.8 |
| Refractoriness °C | 1790 | >1800 | >1825 |
| Bulk density,g/cm ³ | 2.4 | 2.45-2.5 | 2.55-2.6 |
| Softening temperature under load | ≥1470 | ≥1520 | ≥1530 |
| Apparent porosity,% | 22 | <22 | <21 |
| Cold Crushing strength Mpa | ≥45 | ≥50 | ≥54 |

Advantages of Alumina Silica Refractory Bricks

Advantages of Alumina Silica Refractory Bricks

Alumina silica refractory bricks are a popular choice in high-temperature applications due to their exceptional properties. Here are some of the key advantages:

1. High Temperature Resistance:
2. Excellent Chemical Resistance:
3. Mechanical Strength:
4. Thermal Insulation:
5. Versatility:
6. Cost-Effective:

Overall, alumina silica refractory bricks provide a reliable and efficient solution for high-temperature applications, offering excellent performance, durability, and cost-effectiveness.

Why Choose Rongsheng Refractory As Supplier?

At Rongsheng Refractory, we focus on delivering premium refractory materials designed to address the specific requirements

of our customers. Our alumina silica refractory bricks are meticulously produced using cutting-edge methods and high-grade raw materials, ensuring exceptional performance in challenging industrial environments.

Contact us today to learn more about how our alumina silica refractory bricks can enhance your production efficiency while minimizing operational costs.

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