

High-Performance Calcined Bauxite Aggregate For Furnace And Kiln Linings Refractory Applications

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Calcined Bauxite Powder
- Minimum Order Quantity: 1 Ton
- Price: 200-800 USD
- 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



Product Description

High-Quality Calcined Bauxite Aggregate For Refractories

Calcined bauxite aggregate is a key material used in the production of refractory products. This high-purity, high-alumina content material is obtained through the calcination of bauxite at temperatures of 1400-1600°C. Calcined bauxite is primarily used in applications that require superior strength, excellent wear resistance, and high-temperature stability. At Rongsheng Refractory, we supply premium calcined bauxite aggregates that meet the stringent requirements of industries like iron and steel, cement, non-ferrous metals, and more.

Our Product Introduction



Properties of Calcined Bauxite Aggregate

Our calcined bauxite aggregates are known for their remarkable physical and chemical properties, which include:

High Alumina Content: Typically containing 85% to 88% alumina, this makes it ideal for manufacturing high-performance refractories.

Excellent Heat Resistance: Calcined bauxite maintains its strength and structure even under high-temperature conditions, making it suitable for applications in furnaces, kilns, and other high-heat environments.

Low Impurity Levels: Our aggregates are processed to ensure minimal impurities, leading to high purity and excellent durability in refractory applications.

Wear and Corrosion Resistance: The hardness of calcined bauxite contributes to improved wear resistance in environments that require abrasive materials.

Applications of Calcined Bauxite Aggregate

Calcined bauxite aggregates are commonly used in a variety of high-temperature industrial applications, such as:

Refractory Bricks and Castables: The high alumina content makes it a preferred material for producing refractory bricks and castables that are used in industries such as steel, cement, and glass manufacturing.

Furnaces and Kilns: Due to its excellent heat and corrosion resistance, calcined bauxite is used in the lining of furnaces and kilns, where it helps ensure the durability and longevity of the equipment.

Steel Production: The aggregates are used in the production of refractory products that line the steel-making furnaces, providing essential heat insulation and protection.

Cement and Lime Industry: Calcined bauxite is employed in the production of high-alumina refractories for cement kilns, where it withstands extreme thermal cycling and abrasive conditions.

Physical and Chemical Index of High Alumina Calcined Bauxite Powder

Product Code	Chemical Composition (Mass Fraction),%					Bulk Density g/cm ³	Water Absorpti
	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO+MgO	K ₂ O+Na ₂ O		
GL-90	≥89.5	≤1.5	≤4.0	≤0.35	≤0.35	≥3.35	≤2.5
GL-88BA	≥87.5	≤1.6	≤4.0	≤0.4	≤0.4	≥3.20	≤3.0
GL-88B	≥87.5	≤2.0	≤4.0	≤0.4	≤0.4	≥3.25	≤3.0
GL-85A	≥85	≤1.8	≤4.0	≤0.4	≤0.4	≥3.10	≤3.0
GL-85B	≥85	≤2.0	≤4.5	≤0.4	≤0.4	≥2.90	≤5.0
GL-80	>80	≤2.0	≤4.0	≤0.5	≤0.5	≥2.90	≤5.0
GL-70	70~80	≤2.0	—	≤0.6	≤0.6	≥2.75	≤5.0
GL-60	60~70	≤2.0	—	≤0.6	≤0.6	≥2.65	≤5.0
GL-50	50~60	≤2.5	—	≤0.6	≤0.6	≥2.55	≤5.0

Advantages of Rongsheng Calcined Bauxite Aggregate

At Rongsheng Refractory, we are committed to providing high-quality calcined bauxite aggregates that deliver outstanding performance in a wide range of applications. Some of the key advantages of our products include:

Reliable Supply: With years of experience in the industry, we offer a stable and consistent supply of calcined bauxite aggregates to meet your production requirements.

Superior Quality Control: We adhere to strict quality control standards, ensuring that every batch of calcined bauxite meets the required specifications and performance standards.

Competitive Pricing: Our products are competitively priced without compromising on quality, providing excellent value for money.

Custom Solutions: We understand that different industries have different requirements, so we offer customized solutions based on your specific needs.

Affordable and High-Quality Calcined Bauxite Aggregate From Rongsheng Refractory

China is home to abundant bauxite resources, particularly in Henan Province, which is renowned for its rich deposits. As one of the leading manufacturers of calcined bauxite, we at Rongsheng Refractory have over 20 years of experience in producing high-quality refractory materials. Our commitment to excellence has earned the trust of customers both at home and abroad.

When it comes to pricing, RS offers a clear advantage. Our **calcined bauxite aggregate** is priced more competitively than most other refractory manufacturers, making us the ideal choice for cost-conscious businesses. Despite offering lower prices, we never compromise on quality. Our products consistently meet the highest industry standards, ensuring excellent performance, durability, and heat resistance.

By choosing RS for your calcined bauxite needs, you are guaranteed:

Lower Prices: We offer the most competitive rates in the market, ensuring you get the best value for your investment.

Superior Quality: Benefit from high-purity, high-strength calcined bauxite that enhances the performance of your refractories.

Reliable Service: With two decades of experience, we are dedicated to providing excellent customer service, tailored to meet your specific needs.

Contact Us

For more information or to request a quote, please contact us:

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We look forward to working with you to provide the best refractory materials for your industrial needs.



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