

Rongsheng Refractory Supply Refractory Raw Material Aluminum Bauxite Powder Good Price Calcined Bauxite

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng
- 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: 2000tons /month



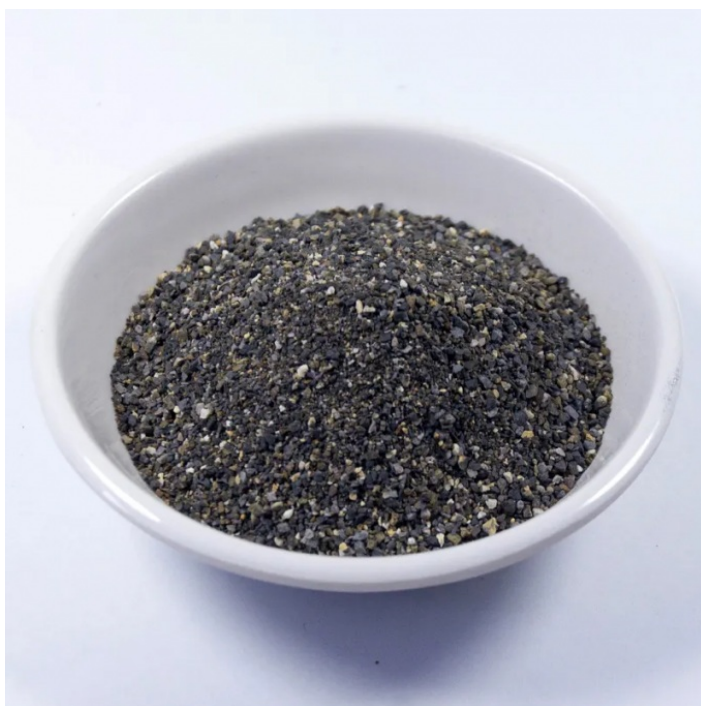
Product Specification

Product Description

Product Description of Rongsheng Refractory Supply Refractory Raw Material Aluminum Bauxite Powder Good Price Calcined Bauxite

The production of Calcined Bauxite involves sintering high-quality bauxite in rotary, round, or shaft kilns at elevated temperatures. This heating process removes the moisture present in the bauxite, which increases its alumina concentration and refractoriness. The result is a product with low iron content, enhanced hardness, and exceptional toughness. Thanks to its high thermal stability and resistance to molten slags, Calcined Bauxite plays a crucial role as a raw material in the production of high-performance refractory materials, abrasives, and various specialty applications that require superior strength and durability.

Our Product Introduction



Applications of Calcined Bauxite

Calcined bauxite is an extremely versatile material with a broad range of applications across various industries, thanks to its excellent properties such as high alumina content, thermal stability, and resistance to molten slags.

In the metallurgical industry, calcined bauxite plays a crucial role as a refractory material. It is widely used as the lining for high-temperature furnaces, including blast furnaces, converters, electric furnaces, and hot blast stoves. Additionally, it serves as a critical component in steel ladles, where its ability to withstand extreme heat and corrosion is essential for optimal performance in steel production.

Within the chemical industry, calcined bauxite is employed to create durable, heat-resistant equipment like reactors, trays, heating furnaces, and heat exchangers. The material's ability to resist high temperatures and maintain integrity under chemical stress makes it an ideal choice for manufacturing equipment that operates in harsh conditions.

Beyond these traditional uses, calcined bauxite is also valuable in the ceramics and electronics industries. It is commonly utilized as a binder and filler in ceramic raw materials, contributing to the durability and heat resistance of ceramic products. In the electronics sector, calcined bauxite is used in the production of components that require high-temperature stability and thermal conductivity.

With the continuous advancement of technology, calcined bauxite has found expanding roles in environmental protection and renewable energy sectors. It is increasingly used in the production of solar panels, energy-efficient lighting, and electric vehicle batteries, where its ability to enhance the performance and lifespan of these technologies is highly valued. Moreover, the material has made inroads into aerospace and automotive manufacturing, where its heat-resistant properties and strength are leveraged for producing advanced components that require exceptional performance under extreme conditions.

In summary, calcined bauxite is no longer just a critical material in traditional industries like metallurgy and ceramics. It has evolved to meet the demands of emerging technologies in energy, transportation, and environmental sustainability, highlighting its enduring relevance and versatility.

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



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