

High Purity High-Temperature Pyrophyllite Brick For Industrial Furnace

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: RS-PY70, RS-PY75, RS-PY80, RS-PY83
- 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

- Highlight: Industrial Furnace Pyrophyllite Brick, High Temperature Pyrophyllite Brick, High Purity Pyrophyllite Brick



Product Description

Overview of Factory Direct Price High-Quality High Purity High-Temperature Pyrophyllite Brick For Industrial Furnace

Rongsheng Refractory Pyrophyllite brick is a high-performance refractory material made from natural pyrophyllite as the primary raw material. The manufacturing process involves precise batching, thorough mixing, high-pressure forming, and high-temperature sintering. Rongsheng Refractory's pyrophyllite bricks are distinguished by their low thermal conductivity, excellent thermal shock resistance, and unique thermal expansion properties at high temperatures. These characteristics enable the bricks to effectively seal joints, ensuring the safe and reliable operation of high-temperature equipment.

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Product Applications of High-Quality High Purity High-Temperature Pyrophyllite Brick With Affordable Factory Direct Price

The superior thermal expansion properties and outstanding thermal shock stability of Rongsheng Refractory's pyrophyllite bricks make them ideal for constructing durable permanent layers with exceptional structural integrity. These layers resist peeling and offer extended service life. Due to their low thermal conductivity, pyrophyllite bricks are particularly suitable for use in the permanent lining of high-temperature equipment, such as ladles, iron ladles, tundishes, and torpedo cars, where they provide excellent insulation performance.

Specifically, RS-PY83 pyrophyllite brick, crafted from high-purity silica-rich pyrophyllite, offers additional advantages over standard pyrophyllite bricks. These include excellent resistance to slag corrosion, non-polluting properties for molten steel, and non-stick characteristics against slag. These features make RS-PY83 an ideal choice for masonry in ladles and refining ladle working layers.

Physical And Chemical Parameters of Rongsheng Refractory Pyrophyllite Brick:

Item	RS-PY70	RS-PY75	RS-PY80	
SiO ₂ ,% ≥	70	75	80	
Al ₂ O ₃ ,% ≥	20	15	10	
Fe ₂ O ₃ ,% ≤	1.5	1.5	1.2	
K ₂ O+Na ₂ O),% ≤	2.0	1.5	1.0	
Apparent Porosity,% ≤	18	18	18	
Bulk Density,g/cm ³ ≥	2.15	2.15	2.18	
CCS, MPa ≥	30	30	30	
0.2MPa RUL ≥	---	1400	1450	

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