

Corundum Mullite Castable For High-Temperature Applications

Our Product Introduction

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: 20-30Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

- Highlight: High Temperature Corundum Mullite Castable, Corundum Mullite Castable

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Product Description

Product Description of Corundum Mullite Castable For High-Temperature Applications:

Our Corundum Mullite Castable for High-Temperature Applications is specifically formulated for use in the most demanding industrial environments. The combination of corundum and mullite ensures this castable provides unparalleled thermal resistance, making it an ideal choice for installations requiring long-term durability and reliability.



Composition of Corundum Mullite Castable For High-Temperature Applications:

Primary Materials: Corundum (Al_2O_3) and mullite ($3\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2$) as the main ingredients.

Binder: High-quality refractory binders tailored to enhance bonding and mechanical strength.

Key Features of Affordable Price Premium Corundum Mullite Castable:

Outstanding Thermal Resistance: Capable of operating continuously at temperatures up to 1700°C , making it perfect for high-stress environments.

Enhanced Mechanical Strength: Withstands heavy loads and mechanical stress without cracking or degrading.

Chemical Erosion Resistance: Offers excellent protection against corrosive environments, including exposure to slags and molten metals.

Thermal Shock Resistance: Designed to maintain integrity under rapid temperature fluctuations.

Applications of Rongsheng Refractory Factory Corundum Mullite Castable:

Linings for blast furnaces and other high-temperature metallurgical equipment.

Burner blocks and nozzles in industrial furnaces.

Lining of incinerators and waste-to-energy plants.

Kiln furniture and supports in ceramics manufacturing.

Product Specification of Corundum Mullite Castable For High-Temperature Applications

Item		NGM-1	NGM-2	NGM-3
$\text{Al}_2\text{O}_3 \geq$		70	75	85
$\text{SiO}_2 \leq$		25	17	13
$\text{Fe}_2\text{O}_3 \leq$		1	1	1
Bulk Density $\text{g/cm}^3 \geq$		2.7	2.8	2.9
0.2MPa Refractoriness Under Load $\geq$		1450	1480	1500
Thermal Shock Resistance, Times, (900 , water-cooling) $\geq$		25	25	25
Maximum Service Temperature		1550	1550	1600
Linear Dimensional Change % $\leq$		-0.3	-0.2	-0.2
Cold Crushing Strength Mpa $\geq$	110 *24h	100	110	120
	1100 *3h	100	110	120
	1400 *3h	115	120	125
	110 *24h	15	15	15
	1100 *3h	16	17	18

MOR ≥	1400 *3h	17	18	19
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Why Choose Our Corundum Mullite Castable?

Our Corundum Mullite Castable is a top choice for industries requiring the highest standards of thermal and chemical resistance. With over 20 years of experience in refractory manufacturing, we ensure our products deliver superior performance, helping you optimize your processes and reduce maintenance costs.



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