

Rongsheng Factory Premium Fused Magnesia For Steelmaking

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: LFM 99, LFM98.5, LFM 98A, LFM 98B, LFM 97A, LFM 97B
- 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: Fused Magnesia, Premium Fused Magnesia, Steelmaking Fused Magnesia

Product Description

Product Overview of Rongsheng Factory Premium Fused Magnesia At Competitive Prices For Steelmaking

Rongsheng Refractory provides a broad selection of premium magnesium oxide raw materials. Fused Magnesia (Standard Grade) is produced by melting top-grade magnesite in an electric arc furnace, resulting in a product with large crystals, a dense structure, and strong resistance to corrosion. With an MgO content ranging from 87% to 98%, this exceptional basic refractory material features coarse particles and a porous structure, delivering excellent airflow and slag resistance. Fused magnesia is commonly used to create refractory products such as sintered bricks, molds for foundries, and furnace linings.

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Key Features of Fused Magnesia From Rongsheng Refractory Factory

High Melting Point: Fused magnesia has an impressive melting point of around 2800°C, ideal for high-temperature applications.

Superior Thermal Conductivity: Its efficient thermal conductivity helps manage heat distribution, reducing overheating and promoting even temperature regulation.

Strong Chemical Resistance: Fused magnesia stands up well against chemical attack from molten metals, slags, and fluxes, ensuring longevity and reliability in demanding environments.

Excellent Abrasion Resistance: Its resistance to wear and tear makes it ideal for high-wear applications, adding durability to refractory systems.

High Sinterability: Fused magnesia can be sintered to form dense, impermeable bricks and shapes, providing effective defense against corrosive and erosive forces.

Applications of High Quality Good Factory Price Fused Magnesia

Steel Industry Refractories: Widely used in steel furnaces and ladles, fused magnesia protects against the corrosive effects of molten steel and slag.

Cement Kiln Linings: Essential in cement production, it serves as a lining for rotary kilns where raw materials are transformed into clinker.

Glass Production Furnaces: Used in glass furnace linings to shield walls from molten glass corrosion.

Non-Ferrous Metallurgy: Fused magnesia provides a robust lining in non-ferrous metal smelting furnaces, handling high temperatures and harsh chemicals.

Waste Treatment and Incineration: It reinforces incinerator and reactor linings in waste management facilities, ensuring equipment durability under high heat and corrosive conditions.

Product Specification of Good Factory Price Fused Magnesia

The physical and chemical properties of Large Crystal Fused Magnesia (LFM)							
Product Code	Chemical Composition (Mass Fraction),%						Particle Bulk Density
	MgO \geq	SiO $_{2}\leq$	CaO \leq	Fe $_{2}O_{3}\leq$	Al $_{2}O_{3}\leq$	Burn Loss	
LFM 99	99.00	0.30	0.60	0.35	0.10	0.08	≥ 3.51
LFM 98.5	98.30	0.40	0.80	0.45	0.12	0.08	≥ 3.50
LFM 98A	97.70	0.55	1.10	0.60	0.12	0.10	≥ 3.50
LFM 98B	97.50	0.60	1.20	0.65	0.15	0.12	≥ 3.49
LFM 97A	96.80	1.00	2.00	0.70	0.15	0.15	≥ 3.45
LFM 97B	96.50	1.15	2.30	0.75	0.18	0.20	≥ 3.42

The physical and chemical properties of High-Calcium Electrically Fused Magnesia (HFM (C/S ≥ 2))							
Product Code	Chemical Composition (Mass Fraction),%						Particle Bulk Density
	MgO \geq	SiO $_{2}\leq$	CaO \leq	Fe $_{2}O_{3}\leq$	Al $_{2}O_{3}\leq$	Burn Loss	
HFM 98	97.70	0.60	1.20	0.65	0.12	0.10	3.50
HFM 97	96.80	0.85	1.70	0.75	0.15	0.15	3.48
HFM 96	96.00	1.20	2.40	0.85	0.18	0.18	3.45

The physical and chemical properties of Ordinary Fused Magnesia (FM)							
Product Code	Chemical Composition (Mass Fraction),%						Particle Bulk Density
	MgO \geq	SiO $_{2}\leq$	CaO \leq	Fe $_{2}O_{3}\leq$	Al $_{2}O_{3}\leq$	Burn Loss	
FM 98	97.50	1.00	1.50	0.65	0.10	0.10	≥ 3.50
FM 97	96.50	1.30	2.00	0.70	0.15	0.15	≥ 3.48
FM 96	95.50	2.50	2.30	0.80	0.18	0.18	≥ 3.45



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