Low Creep High Alumina Bricks For Hot Blast Stove

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: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month

Product Specification

- Highlight: **Low Creep High Alumina Bricks**, **Hot Blast Stove High Alumina Bricks**

Our Product Introduction

Product Description

Product Description of Low Creep High Alumina Bricks For Hot Blast Stove

Low creep high alumina bricks are refractory materials made primarily from bauxite, fused corundum, and fused mullite.

Product Features of Low Creep High Alumina Bricks

1.Refractoriness

Low creep high alumina bricks have a refractoriness higher than clay bricks and semi-silica bricks, reaching 1750~1790°C, classifying them as refractory materials.

2.Load Softening Temperature

Due to the high Al2O3 content and low impurities, the formation of fusible glass phases is reduced, giving these bricks a higher load softening temperature than clay bricks. However, the absence of a network structure in mullite crystals results in a load softening temperature lower than that of silica bricks.

3.Slag Resistance

With a high Al2O3 content, these bricks are close to neutral refractory materials and can resist erosion by both acidic and basic slags. However, the presence of SiO2 makes their resistance to basic slag slightly weaker than to acidic slag.

Product Applications of Low Creep High Alumina Bricks For Hot Blast Stove

Primarily used in the construction of blast furnaces, hot blast stoves, electric furnace roofs, blow furnaces, reverberatory furnaces, and rotary kiln linings.

Physical And Chemical Parameters of Low Creep High Alumina Bricks

Item		Low Creep High Alumina Bricks					
		DRL-155	DRL-150	DRL-145	DRL-140	DRL-135	DRL-13
Al2O3,% ≥		75	75	65	65	65	60
Apparent Porosity, % ≤		20	21	22	22	22	22
Bulk Density, g/cm³		2.65-2.85	2.65-2.85	2.50-2.70	2.40-2.60	2.35-2.30	2.30-2.
Cold Crushing Strength, MPa ≥		60	60	60	55	55	55
Creep Rate (0.2MPa, 50h) ≤		1550 0.8	1500 0.8	1450 0.8	1400 0.8	1350 0.8	1300 0.8
Permanent Linear Change Rate, %	1550 ,2h	0.1 -0.2	0.1 -0.2	0.1 -0.2			
	1450 ,2h				0.1 -0.2	0.1 -0.4	0.1 -0.

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