Low Creep High Alumina Bricks For Hot Blast Stove

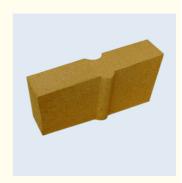
Basic Information

• 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

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



Product Specification

• Highlight: Low Creep High Alumina Bricks, Hot Blast Stove High Alumina Bricks

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



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

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-10
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	1500	1450	1400	1350	1300
Oreep riale (0.21viii a, 30ii) 3		0.8	0.8	0.8	0.8	0.8	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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