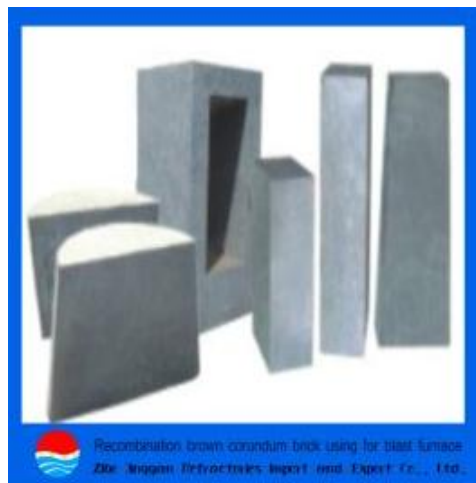


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Recombination Brown Corundum Brick Using For Blast Furnace



1,Performance index of Recombination Brown Corundum Brick Using For Blast Furnace:

ITEM	RBC-1	RBC-2	RBC-3	RBC-4
Al ₂ O ₃ %	≥80	≥75	≥70	≥78
SiC %	6-10	6-10	0-3	2-5
Si ₃ N ₄ %	-	-	6-10	4-8
Fe ₂ O ₃ %	≤1.0	≤1.0	≤1.0	≤1.0
Si %	3-7	3-7	3-7	3-7
Porosity %	≤15	≤16	≤16	≤16
B.D g/cm ³	≥3.0	≥2.90	≥2.90	≥2.90
Compressive strength a Mp	≥110	≥90	≥100	≥100
Line change rate 1500℃*2h, %	+0.1~-0.2	+0.1~-0.2	+0.1~-0.2	+0.1~-0.2
Refractoriness under load,0.6% ℃	≥1680	≥1660	≥1680	≥1660

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Alkali resistance(Strength reduction rate) %	≤10	≤15	≤10	≤15
Molten iron dissolution index %	≤2	≤3	≤1.5	≤2
Slag resistance %	≤10	≤12	≤10	≤10
Thermal conductivity 800℃ w/m.k	3-5	3-5	3-5	3-5
Coefficient of linear expansion 20-1000℃, 10^{-6} /℃	5-8	5-8	5-8	5-8

2. Description of Recombination Brown Corundum Brick Using For Blast Furnace:

The product is mainly made of fused brown corundum and fused silicon carbide, with special additives added, molded and fired at high temperature. The product is built with special corundum powder mud, with small brick joint and tight overall. All the indexes of the products have reached or exceeded that of the French brown corundum casting block products, which have been used in the blast furnaces of large domestic iron and steel companies with remarkable effect and exported to more than ten countries and regions

3. Features of Recombination Brown Corundum Brick Using For Blast Furnace:

- 1) the product has low apparent porosity, strong compactness and low linear change rate at high temperature, so it has good high temperature performance
- 2) The product has good slag corrosion resistance and strong alkali corrosion resistance
- 3) Good corrosion resistance of molten iron
- 4) Good wear resistance and impact resistance

4. Application: blast furnace ceramic cup, tuyere, tap hole, slag hole, and other industrial furnace of requiring wear resistance, slag corrosion resistance and alkali corrosion resistance

5. Good feedback of product use effect, the products have been exported to South Korea, Japan, Pakistan, Russia, Australia, Oman, the United States, Kenya, Mexico, Morocco and India.

6. The manufacturer is a professional manufacturer and can provide complete product index test reports or third-party test reports.

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