

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Mullite Checker Brick For Hot Blast Furnace



1,Description of Mullite Checker Brick For Hot Blast Furnace:

Sintered mullite bricks made from synthetic calcined mullite are widely used in high-grade kilns such as hot blast stoves and blast furnaces because of their excellent suddenly-changing temperature resistance, good wear resistance, low creep rate performance and low reburning line change rate.

2,Index of Mullite Checker Brick For Hot Blast Furnace:

Item	JM-65	JM-70	JM-80
Al ₂ O ₃ %	65	70	80
Fe ₂ O ₃ %	1.5	0.5	0.5
Refractoriness °C	1790	1790	1850
Apparent porosity %	24	20	21
Bulk density g/cm ³	2.5	2.55	2.7
Cold crushing strength Mpa	60	65	75
Refractoriness under load T ₂ , °C	1550	1700	1700
Reheating linear change %	1400°C×2h +0.2~-0.1	1450°C×2h +0.2~-0.1	1500°C×4h +0.2~-0.1
Creep rate 0.2MPa×50h,%	1350°C,0.8	1450°C,0.6	1500°C,0.6

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Thermal shock resistance, times	30	25	20
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3,Main features of Mullite Checker Brick For Hot Blast Furnace:

- 1), High refractoriness, $>1790^{\circ}\text{C}$
- 2), High refractoriness under load, $1550\sim 1700^{\circ}\text{C}$.
- 3), The creep rate at high temperature is low, $1500^{\circ}\text{C}\times 25-50\text{h}, \leq 0.6\%$
- 4), Good thermal shock resistance, 1100°C , water cooling, > 20 times.
- 5), Good corrosion resistance of acid-resistant slag

4,Product use effect:

Mullite checker brick adopt the technology of equalizing pressure and current, which changes the smoke flow field and the distribution of cold air flow field in checker brick to achieve uniform distribution. The ventilation rate of checker brick increased from 78% to more than 98%, which reduced energy consumption. The air supply temperature is more than 1250°C , and the vault temperature is below 1380°C , make the vault structure of hot blast stove stable, achieve the goal of high air temperature and long service life.

5. Good feedback of product use effect, the products have been exported to Russia, Australia, Oman

6. We are a professional supplier, who can provide customers with free product technology, use and other issues.

Do you want to find a professional supplier of refractory products?

Do you want to find a professional supplier of graphite electrodes?

Do you want to find a stable and credible supplier?

Then let's contact with jinggan company

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