

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Castable for Ladle Bottom



1,Description of Castable for Ladle Bottom:

The main structure of Castable for Ladle Bottom is spinel mineral phase, surrounded by corundum phase and periclase phase. In the course of use, the product shows superior dense structure, excellent corrosion resistance and anti-spalling resistance. The main raw materials used are high quality fused magnesia, sintered spinel sand and fused white corundum sand.

2,Index of Castable for Ladle Bottom:

Model		JAMA	JAM
Item			
Chemical composition%	Al ₂ O ₃ +MgO	≥95	≥95
Bulk density g/cm ³	110℃*24h	≥3.0	≥3.0
	1000℃*3h	≥3.0	≥3.0
	1500℃*3h	≥3.0	≥2.9
Linear change rate%	110℃*24h	±0.1	±0.1
	1000℃*3h	±0.5	±0.5
	1500℃*3h	0~+1.5	0~+1.5
Crushing strength MPa	110℃*24h	≥50	≥50

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	1000℃*3h	≥40	≥40
	1500℃*3h	≥80	≥80
Bending strength MPa	110℃*24h	≥5	≥4
	1000℃*3h	≥6	≥6
	1500℃*3h	≥10	≥10
Softening point under load℃	0.2MPa,0.6%	≥1700	≥1580

3,Causes of Castable for Ladle Bottom damage:

- 1) Castable for Ladle Bottom produces low melting point minerals in the process of high temperature use, which reduces the permeability and erosion resistance of the product and leads to damage.
- 2) The slag corrosion of products destroys the compactness of products, increases the penetration of slag, and leads to the destruction of product structure.
- 3) The high temperature volume stability of the product is destroyed, and the product is damaged by peeling.

4,The remarkable features of the product are as follows:

- 1)Reducing or lower the production of low melt, improving the high temperature service performance of the product, and slowing down or reducing the corrosiveness of slag.
- 2)The product matrix has high stability, stable performance and compact structure, which enhances the anti-permeability ability in the use process.
- 3)The ingredients of the product are all high melting point raw materials, and the volume stability is good during high temperature operation, which improves the thermal shock stability and anti-spalling performance.

5,Product Packaging:

Waterproof and moisture-proof kraft paper bags. Storage time in dry environment is more than 6 months.

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

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

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