

# ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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## Boron Nitride Crucible



### 1, Main technical parameters of Boron Nitride Crucible

ITEM	UNIT	TECHNICAL INDEX
BN	%	≥99
Density	g/cm <sup>3</sup>	1.9-2.2
Hardness	HS	2.0
Coefficient of thermal expansion	25-700°C, 10 <sup>-6</sup> /°C	≤2.5
Thermal conductivity	w/m.k	75
Room temperature resistivity	Ω .cm	>1014
Flexural strength	Mpa	≥35
Compressive strength	Mpa	≥200
Service temperature	air	900
	Vacuum	1800
	Inert atmosphere	2200

### 2,Brief introduction:

Boron Nitride Crucible is similar to graphite and belongs to sheet six square structure. The product has high melting point, good thermal conductivity and insulation performance, and it still has quite stable high-frequency dielectric properties at high temperature.

3,Application of Boron Nitride Crucible: melting of dissolved aluminum, zinc and other alloys instead of graphite crucible.

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4,Significant characteristics:

- 1) Bending resistance, high compressive strength and good thermal shock resistance
- 2) Chemical resistance, good stability
- 3) Good thermal conductivity and insulation
- 4) Good oxidation resistance, 400-500 degrees higher than graphite products, up to 900 degrees, long service life

5,Specifications: according to the needs of users, we can make crucible products of various specifications

6,Good feedback of product use effect,the products have been exported to South Korea, Russia,Pakistan

7,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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