

■ **Introduction:**

Boron nitride ceramic parts Components for Furnace is an emerging industrial material, because its structure is similar to graphite, there are many similarities in performance, so it is also called "white stone ink". Boron nitride ceramic parts have good heat resistance, thermal stability, thermal conductivity, high temperature dielectric strength, is the ideal heat dissipation material and high temperature insulation material. Boron nitride has good chemical stability and can resist the etching of most molten metals. Furnace Boron nitride ceramic Components also has good self lubricity. The hardness of boron nitride products is low.

■ **Technical data sheet:**

Item	Unit	Technical Data
Resistivity(normal temperature)	um Ω.cm	300-2000
Evaporation velocity(1450℃)	g/min.cm2	0.4-0.5
Operating temperature	℃	≤1850
Heat conductivity(normal temperature 1450℃)	W/mk	>100/40
Coefficient of thermal expansion(1450℃)	K	(4-6)*10 ⁻⁶
Bending strength(normal temperature)	Mpa	>150
Packing		Vacuum package

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Advantages:

- 1.Mechanical seal: Boron nitride ceramic Components have excellent sealing performance and wear resistance, and can be used for mechanical seals in high temperature and high pressure environments.
- 2.Wear parts: Furnace Boron nitride ceramic Components with high hardness and wear resistance, can be used to manufacture high-speed rotating bearings, pneumatic valves, pump bodies, pipes and other wear parts.
- 3.Thermal barrier coatings: High Temperature Boron nitride parts can be used to manufacture high temperature thermal barrier coatings for the protection of high temperature equipment and components in aviation, aerospace, automotive, etc.

