

■ **Introduction:**

Boron nitride conductive ceramic evaporation boat is a kind of container for high temperature evaporation and chemical vapor deposition (CVD) process. Boron nitride ceramics have the characteristics of high melting point, high hardness, high wear resistance and chemical stability, so they have excellent performance in the harsh environment such as high temperature, high pressure, strong acid and alkali.

■ **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.Boron nitride evaporation boat with a shorter pre-heating time.
- 2.BN ceramic evaporation boat with the molten aluminum is easier to spreading wetting.
- 3.Conductive ceramic evaporation boat with less spitting and bending of the boats problems
- 4.With longer working life
- 5.Cost-efficient choice

