

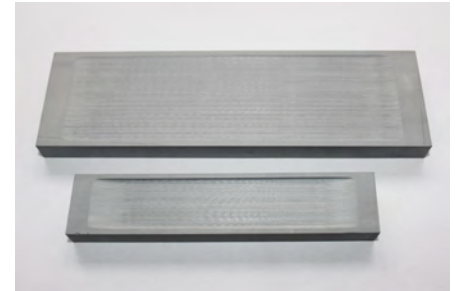


EVAPORATOR BOATS

TECHNICAL DATA

SXR evaporator boats, widely used in packing and capacitor film metalizing as well as specialty applications, are characteristic with:

- Long term stability.
- Excellent thermal resistance.
- Consistent electrical properties.
- Adjustable electrical resistivity.
- Chemical inertness against liquid aluminum.



Applications

Resistance-heated boats, crucibles and customized parts used in vacuum chambers at 1850 °C

Product Information

Property	Unit	Value
Color		Gray
Boron Nitride	%	Appr. 50
Titanium Diboride	%	Appr. 45
Others	%	Appr. 5
Density	g/cm ³	3.08~3.10
Evaporation Rate (1450-1550°C)	g/min.cm ²	0.25/0.35

Specific Electrical Hot Resistivity at 1450~1550 °C

Hot Resistivity Group	uΩ*cm (moc)
1	1600-2000
2	2000-2400
3	2400-2800
4	2800-3200
5	3200-3600

Physical Properties

Property	Unit	Value
Specific Electrical Resistivity (1600°C)	$\mu\Omega \cdot \text{cm}$ (moc)	1200-4800
Thermal Conductivity (1450°C)	W/mk	55
Thermal Expansion (1450°C)	K^{-1}	$5 \cdot 10^{-6}$
Young's Modulus	GPa	66

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