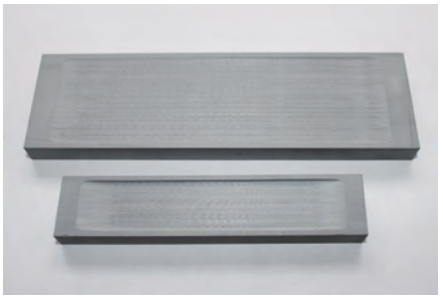
EVAPORATOR BOATS
TECHNICAL DATA

HMT evaporator boats, widely used in packaging 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 all kinds of vacuum coaters.

Product Information

Property	**Unit**	**Value**
Color		Grey
Boron Nitride	%	<50%
Titanium Diboride	%	<50%
Others	%	<5%
Density	g/cm^3	3.08~3.10
Evaporation Rate (1450-1550℃)	$g/min.cm^2$	0.25-0.35

Specific Electrical Hot Resistivity at 1450~1550 ℃

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 Hot Resistivity (1600℃)	uΩ*cm (moc)	1200-4800
Thermal Conductivity (1450℃)	W/mk	55
Thermal Expansion (1450℃)	K^{-1}	$5^{\wedge}10^{-6}$
Young's Modulus	GPa	66

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