

## Momentive Performance Materials Titanium Diboride/Boron Nitride Composite Vacuum Metallizing Boat

Category : Ceramic , Boride , Ceramic Matrix Composite , Nitride

### Material Notes:

Intermetallic composites from Advanced Ceramics are used vacuum metallizing industry. These ceramics withstand higher operating temperatures, have lower moisture sensitivity, low thermal expansion, and high density. Available in a selection of resistance ranges, IMC boats can be tailored to match available power supplies. These unique properties provide the vacuum metallizer a resistance heated source that operates at high evaporation levels, and is extremely durable in operation. Information provided by Momentive Performance Materials, formerly GE Advanced Ceramics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Momentive-Performance-Materials-Titanium-DiborideBoron-Nitride-Composite-Vacuum-Metallizing-Boat.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-Titanium-DiborideBoron-Nitride-Composite-Vacuum-Metallizing-Boat.php)

Physical Properties	Metric	English	Comments
Moisture Absorption	0.300 %	0.300 %	100% RH, 150 hours, RT

Mechanical Properties	Metric	English	Comments
Flexural Strength	138 MPa	20000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	7.00 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	3.89 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	

Processing Properties	Metric	English	Comments
Sintering Temperature	1900 $\text{Å}^\circ\text{C}$	3450 $\text{Å}^\circ\text{F}$	or higher

## Contact Songhan Plastic Technology Co.,Ltd.

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