Momentive Performance Materials produces over 70 standard and custom grades of BN powders to meet a wide range of application requirements, and has over 50 years of expertise in the synthesis and refinement of boron nitride powders.

**Potential Applications**

Momentive Performance Materials’ PolarTherm boron nitride (BN) powder grade PT670 is a coarse −20/+150 mesh grade, and is the largest particle in the PolarTherm powder portfolio. It is a high-density agglomerate with a low surface area, that may be loaded to high levels in polymer resins while maintaining a workable rheology. The particles are robust and withstand aggressive processing.

PT670 as a filler may offer benefits to a variety of electronics applications. Potential uses include, but are not limited to:
- Thermal interface pads
- Thermal putty
- Encapsulants and potting

**Key Features & Typical Benefits**

- Thermal Conductor
- Electrical Insulator
- Low Dielectric Constant/Loss
- High Temperature Stability
- Lubricious
- Inert and Chemically Stable
- Non-Wetting

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Structure</th>
<th>High-Density Agglomerate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean Particle Size μm</td>
<td>300-350</td>
</tr>
<tr>
<td>Surface Area m²/g</td>
<td>1.1</td>
</tr>
<tr>
<td>Tap Density g/cm³</td>
<td>1</td>
</tr>
<tr>
<td>Oxygen %</td>
<td>0.3</td>
</tr>
<tr>
<td>Carbon %</td>
<td>0.1</td>
</tr>
</tbody>
</table>

1 Typical data are average and actual results may vary. Typical data shall not be used as product specifications.
Customer Service Centers

North America
T +1 440 878 5700
F +1 440 878 5928

Europe
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F +49 4152 938 136

Pacific
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PRODUCT SAFETY, HANDLING AND STORAGE: Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

LIMITATIONS: Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

EMERGENCY SERVICE:

Momentive Performance Materials maintains an around-the-clock emergency service for its products.

LOCATION                EMERGENCY SERVICE PROVIDER    EMERGENCY CONTACT NUMBER
Mainland U.S., Puerto Rico          CHEMTREC                           1.800.424.9300
Alaska, Hawaii                     CHEMTREC                           1.800.424.9300
Canada                             CHEMTREC                           1.800.424.9300
Europe, Israel                     NCEC                               +44(0) 1235239670
Middle East                        NCEC                               +44(0) 1235239671
Asia/Pacific (except China)        NCEC                               +44(0) 1235239670
China                              NCEC                               +86.10.5100.3039
Latin America (except Brazil)      NCEC                               +44(0) 1235239670
Brazil                             SOS Cotec                          0800011 1767 or 08007071767
All other locations worldwide      NCEC                               +44(0) 1235239670
At sea                             Radio U.S. Coast Guard in US waters +44(0) 1235239670
                                      NCEC in International waters  

For Health related calls, contact Momentive Performance Materials at +1.518.233.2500 (English only).

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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