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.

Applications

Momentive Performance Materials’ boron nitride (BN) powder grade PT620 is a fine (97% -325 mesh) high-density agglomerate. PT620 brings the unique properties of high-density agglomerates (near isotropic performance, good particle strength, good flow properties) to thin bondline applications like TIM1 greases & gels. Its good strength and medium surface area may also bring good peel strength performance to printed circuit board laminates.

PT620 as a powder offers benefits to a variety of electronics applications. Potential uses include, but are not limited to:

- Thermal greases, gels, and adhesives
- Thermal interface tapes
- Phase-change thermal interface materials
- Printed circuit board pre-pregs and laminates

Key Features & Typical Benefits

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

<table>
<thead>
<tr>
<th>Typical Physical Properties¹</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure</td>
<td>High-Density Agglomerate</td>
</tr>
<tr>
<td>Mean Particle Size μm</td>
<td>15-20</td>
</tr>
<tr>
<td>Surface Area m²/g</td>
<td>3.0</td>
</tr>
<tr>
<td>Tap Density g/cm³</td>
<td>0.7</td>
</tr>
<tr>
<td>Oxygen %</td>
<td>0.4</td>
</tr>
<tr>
<td>Carbon %</td>
<td>0.05</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

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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
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China  | NCEC  | +86.10.5100.3039
Latin America (except Brazil)  | NCEC  | +44(0) 1235239670
Brazil  | SOS Cotec  | 08000111767 or 08007071767
All other locations worldwide  | NCEC  | +44(0) 1235239670
At sea  | Radio U.S. Coast Guard in U.S. waters  | 1.800.424.9300
  | NCEC in International waters  | 1.800.424.9300

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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