



PolarTherm* Boron Nitride Powder

PT670

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:

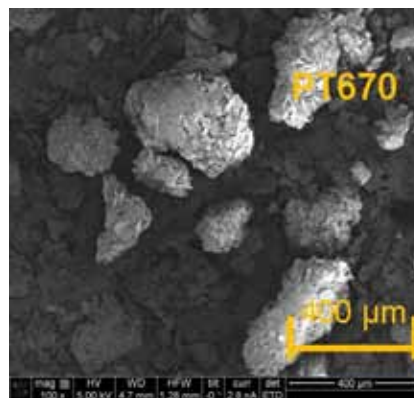
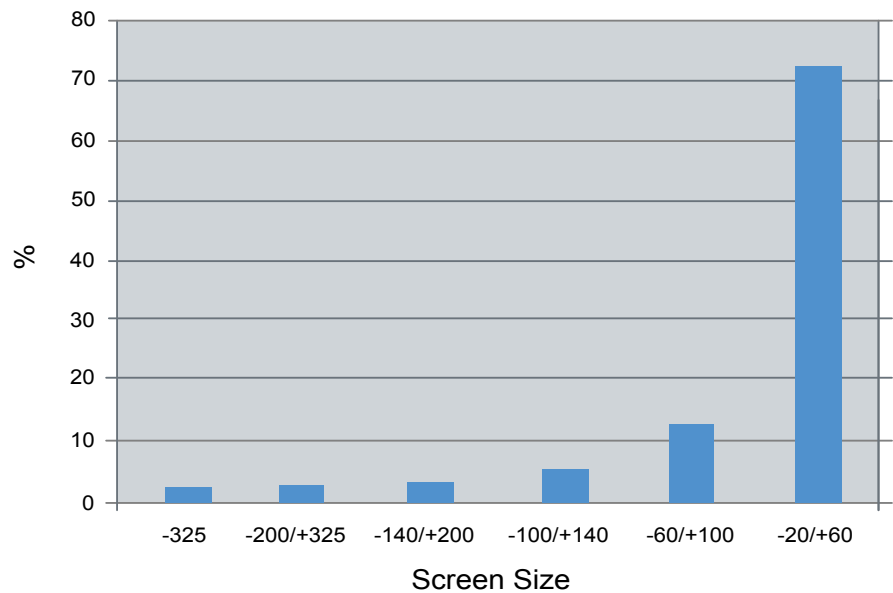
- Thermal interface pads
- Thermal putty
- Encapsulants and potting

Key Features & Typical Benefits

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

Typical Physical Properties¹

Structure	High-Density Agglomerate
Mean Particle Size μm	300-350
Surface Area m^2/g	1.1
Tap Density g/cm^3	1
Oxygen %	0.3
Carbon %	0.1



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

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

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LOCATION	EMERGENCY SERVICE PROVIDER	EMERGENCY CONTACT NUMBER
Mainland U.S., Puerto Rico	CHEMTREC	1.800.424.9300
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Canada,	CHEMTREC	1.800.424.9300
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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	08000111767 or 08007071767
All other locations world wide	NCEC	+44(0) 1235239670
At sea	Radio U.S. Coast Guard in US waters NCEC in International waters	+44(0) 1235239670

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

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

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