



PolarTherm* Boron Nitride Filler

PT100

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

Momentives' boron nitride (BN) grade PT100 is a high-purity single crystal grade with a low tap density. High aspect ratio platelets may consistently provide excellent thermal conductivity performance.

PT100 as a filler may offer benefits to a variety of electronics applications. Potential uses include, but are not limited to:

- Thermal interface films or pads
- Thermal greases or gels
- Additive for thermally conductive plastics

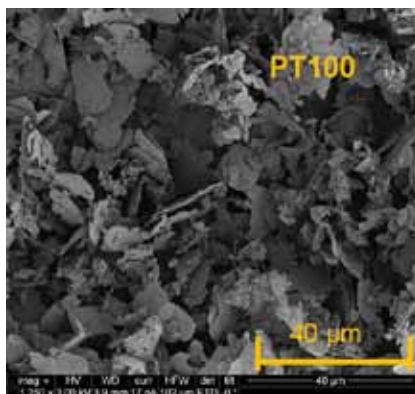
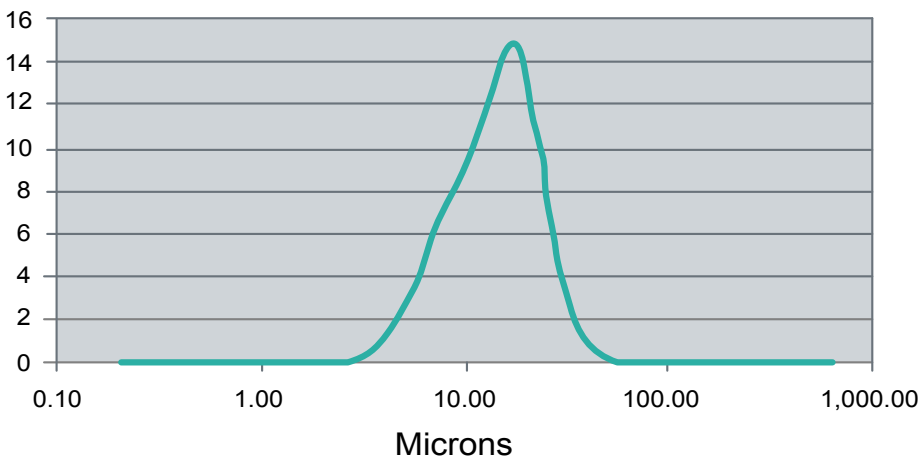
Key Features & Typical Benefits

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

Typical Physical Properties

Structure	Single-Crystal Platelet
Mean Particle Size (µm)	13
D10/D90 (µm)	7/25
Surface Area (m ² /g)	5.5
Tap Density (g/cm ³)	0.27
Oxygen %	0.2
Carbon %	0.05
Soluble Borates %	0.1

Typical Particle Size Distribution¹



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.=

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	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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