

Momentive Performance Materials PolarTherm® PT132 Boron Nitride (BN) Powder

Category : Ceramic , Nitride , Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Boron Nitride powders are produced by GE Advanced Ceramics in more than 50 individual (standard and custom) grades to meet a wide variety of application needs. For use in: Electrically insulating/thermally conductive fillers for heaters, polymer matrices, adhesives, pastes and potting compounds. Lubrication applications for extreme heat or cold, extreme pressure, vacuum environments or harsh chemical exposures. Refractories and refractory coatings. Mold/die release. Metal/ceramic and ceramic/matrix composites. General Characteristics of Boron Nitride: Electrical Insulator Low Dielectric Constant Low Dielectric Loss High Temperature Stability Thermal Conductor Lubricious Inert Non-Wetting PT132 has a lower mean particle size than PT130 and PT131 (~5 µm). 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-PolarTherm-PT132-Boron-Nitride-BN-Powder.php

Physical Properties	Metric	English	Comments
Bulk Density	0.300 g/cc	0.0108 lb/in ³	Tap Density
Particle Size	0.40 µm	0.40 µm	Crystal Size
	5.0 µm	5.0 µm	Mean
Specific Surface Area	15 m ² /g	15 m ² /g	

Descriptive Properties	Value	Comments
Calcium	Max 0.01 %	
Carbon	0.1 %	
Color	White	
Crystal Type	Hexagonal (Graphitic)	
Oxygen	1.0-1.5 %	
Sol. Borate	0.1 %	

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