

Momentive Performance Materials AC-6004 Boron Nitride (BN) Powder

Category : Ceramic , Nitride

Material Notes:

Grade AC-6004 is a high purity, fine (99%,-325 mesh) Boron Nitride (BN) powder with a hexagonal crystal structure and large graphite-like platelets. It exhibits the unique properties of boron nitride in a form readily used in the production of many advanced materials. A unique manufacturing process achieves larger size crystals ($>10\mu\text{m}$) with lower surface area ($2.0\text{ m}^2/\text{g}$), compared to Grade HCP, which provides enhanced lubricity and thermal properties. 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. 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-AC-6004-Boron-Nitride-BN-Powder.php

Physical Properties	Metric	English	Comments
Apparent Bulk Density	0.550 g/cc	0.0199 lb/in ³	Tap density
Particle Size	9.0 - 12 μm	9.0 - 12 μm	Mean particle size is 9 to 12 μm . Crystal size is $>10\mu\text{m}$. % -325 mesh is 99.9%.
Specific Surface Area	2.0 m^2/g	2.0 m^2/g	

Descriptive Properties	Value	Comments
Color	White	
Crystal Structure	Hexagonal	(Graphitic)

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