

Momentive Performance Materials NX1 Boron Nitride (BN) Powder

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

Material Notes:

Grades NX1, NX5, NX9, and NX10. The NX line makes BN accessible to users of alternate materials, such as aluminum nitride, alumina, and fused silica, who may have previously ruled out BN. NX grades are all fine hexagonal crystalline powders (95%-100% -325 mesh), and are available in a range of purities and surface areas to suit specific applications. Grade NX1 is an ultrafine grade with a submicron mean particle size, making it easy to disperse. It also has the highest surface area of the NX grades. Applications: GE Advanced Ceramics NX grades are candidates for use in a wide range of demanding applications for which BN is generally considered, including: Lubricants and release agents for high-temperature metal & glass processing Refractory coatings Base material for hot pressed solids and metal-matrix or ceramic-metal composites Processing and final-product enhancement of plastics, including nucleation of solid and foamed products. Thermal management materials (adhesives, gap-fillers, encapsulants, polymer matrices, etc.) for electronics applications 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-NX1-Boron-Nitride-BN-Powder.php

Physical Properties	Metric	English	Comments
Bulk Density	0.120 g/cc	0.00434 lb/in ³	Tap Density
Particle Size	0.20 - 0.50 μm	0.20 - 0.50 μm	Crystal Size
	0.70 μm	0.70 μm	Mean
Specific Surface Area	20 m ² /g	20 m ² /g	

Descriptive Properties	Value	Comments
Calcium	Max 0.01 %	
Carbon	0.03%	
Color	White	
Crystal Type	Hexagonal (Graphitic)	
Oxygen	0.9-1.2%	
Sol. Borate	0.1%	

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