

## Momentive Performance Materials AC6003 Boron Nitride (BN) Powder

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

### Material Notes:

GE Advanced Ceramics boron nitride (BN) powders of grades HCV, AC6003, and AC6097 are agglomerates composed of submicron hexagonal turbostratic crystals. The mean particle size for these fine powders is  $7 \text{ \AA} \text{ - } 11 \text{ \AA} \mu\text{m}$ , and over 95% of the particles pass through a -325 mesh. As initial synthesis powders, these grades provide an economical alternative to higher-purity grades such as HCP and possess a smaller hexagonal platelet structure which provides good nucleation and lubrication qualities. Grade AC6003 is a more processed form of HCV, resulting in a lower surface area and oxygen content and broader particle size distribution. Applications: These grades are commonly used in paints, refractory coatings and mold/die release agents for their release properties and inertness to molten metals and salts. They are also hot-pressable materials which can be used in manufacturing shapes and composites where good thermal conductivity, high electrical resistivity and machinability are desired. 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-AC6003-Boron-Nitride-BN-Powder.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-AC6003-Boron-Nitride-BN-Powder.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.350 g/cc	0.0126 lb/in <sup>3</sup>	Tap Density
Particle Size	0.50 $\text{\AA} \mu\text{m}$	0.50 $\text{\AA} \mu\text{m}$	Crystal Size
	7.0 - 11 $\text{\AA} \mu\text{m}$	7.0 - 11 $\text{\AA} \mu\text{m}$	Mean (agglomerates)
Specific Surface Area	29 m <sup>2</sup> /g	29 m <sup>2</sup> /g	

Descriptive Properties	Value	Comments
Carbon	0.03%	
Color	White	
Crystal Type	Hexagonal (Turbostratic)	
Oxygen	2%	
Sol. Borate	0.2%	

## Contact Songhan Plastic Technology Co.,Ltd.

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