

## Momentive Performance Materials HCR48 Boron Nitride (BN) Powder

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

### Material Notes:

GE Advanced Ceramics boron nitride (BN) powder grades HCR48, HCJ48, and HCM are large, high-density agglomerates, of ~10 Åµm crystals, with average particle sizes between 175-275 Åµm and tap densities of ~1 g/cm<sup>3</sup>. These features, combined with low average surface areas, give powders that flow readily, withstand harsh processing, and have outstanding thermal characteristics. HCR48 has an average particle size of 250 Åµm and is the highest density (hardest) grade offered by GE Advanced Ceramics. It has higher oxygen and soluble borate levels than most grades, which limits its performance in high-temperature (>550o C) 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-HCR48-Boron-Nitride-BN-Powder.php](http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-HCR48-Boron-Nitride-BN-Powder.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.10 g/cc	0.0397 lb/in <sup>Å³</sup>	Tap Density
Particle Size	10 Åµm	10 Åµm	Crystal Size
	250 Åµm	250 Åµm	Mean
Specific Surface Area	2.6 m <sup>Å²</sup> /g	2.6 m <sup>Å²</sup> /g	

Descriptive Properties	Value	Comments
Carbon	0.2%	
Color	White	
Crystal Type	Hexagonal (Graphitic)	
Oxygen	2.5%	
Sol. Borate	3%	

## Contact Songhan Plastic Technology Co.,Ltd.

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