

American Elements Boron Nitride Nanoparticles

Category : Ceramic , Nitride

Material Notes:

General Description Boron Nitride (BN) Nanoparticles, nanodots or nanopowder are spherical high surface area particles. Nanoscale Boron Nitride Particles are typically 10 - 100 nanometers (nm) with specific surface area (SSA) in the 10 – 75 m²/g range. Nano Boron Nitride Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Research into applications for Boron Nitride nanocrystals include use in coatings and microcoatings for precision cutting tools to vary the properties depending on the desired abrasive, lubricating, anti-corrosion, super-hydrophobic, and thermal functions and for use in other aerospace coatings, in particular, as thermal and oxidative protection for fiber reinforced construction materials, such as coating carbon fiber materials with boron nitride, and in plastics, and other cutting applications. Further application could arise in sensor technology, optoelectronics and for space structures.

Order this product through the following link:

http://www.lookpolymers.com/polymer_American-Elements-Boron-Nitride-Nanoparticles.php

Physical Properties	Metric	English	Comments
Particle Size	0.010 - 0.10 µm	0.010 - 0.10 µm	
Specific Surface Area	10 - 75 m ² /g	10 - 75 m ² /g	
Molecular Weight	24.82 g/mol	24.82 g/mol	

Descriptive Properties	Value	Comments
Appearance	White Powder	

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