

AC6111 Boron Nitride Powder

QUARTZ & CERAMICS - BORON NITRIDE POWDERS



Boron nitride (BN) powder grade AC6111 is an agglomerate of submicron hexagonal turbostratic crystals. AC6111 was developed using special milling techniques to reduce the average particle size to 0.5 microns. The actual size of discrete crystals is approximately 0.1 microns.

Potential Applications

- Paints
- Refractory coatings
- Mold/die release agents
- Nucleation aid in plastics
- Lubricants and greases

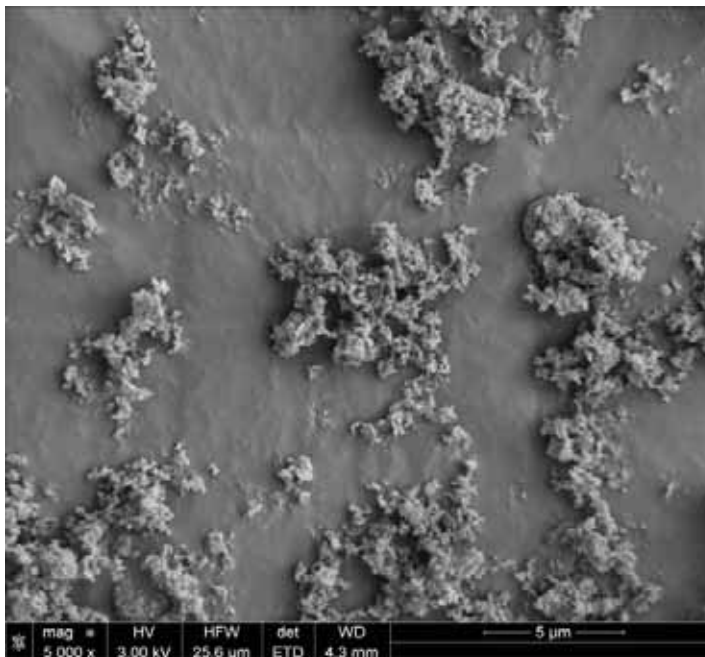
Key Features and Typical Benefits

- Relatively inert and non-wetting to molten metals
- Provides excellent release properties
- Excellent dispersion quality
- Improves nucleation and crystallization in semi-crystalline resins
- Excellent lubricating additive

Typical Physical Properties ⁽¹⁾	
Structure	Turbostratic
Mean particle size (µm)	0.5
D10/D90 (µm)	0.2/4.0
Surface area (m ² /g)	40
Tap density (g/cm ³)	0.1
Oxygen (wt%)	2.0
Soluble borates (wt%)	0.3

(1) Typical properties are average data and are not to be used as or to develop specifications.

Scanning Electron Microscope Image of AC6111 Boron Nitride Powder



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