



## Product Data Sheet

# BTBN5009

## Boron Nitride Powder

**Description:** Boron nitride (BN), sometimes referred to as “white graphite”, is a synthetic material with similar thermal and lubricating properties as graphite.

Our **BTBN5009** is a high purity, de-agglomerated hexagonal boron nitride powder with a nominal 9 micron particle size.

Boron nitride powder is ideal for applications where the presences of carbon and/or graphite’s black color is problematic.

### Typical Properties:

Boron Nitride	: 99.0%
B <sub>2</sub> O <sub>3sol</sub>	: 0.08%
Oxygen total	: 0.8%
C	: 0.02%
Ca	: 0.025%
Si	: 0.025%
Al	: 0.003%
Fe	: 0.002%
Surface Area (BET)	: 6 m <sup>2</sup> /g
Tap Density	: 0.3 g/cm <sup>3</sup>
D50	: 9 µm
D97	: 45 µm

### Key Characteristics:

- excellent lubricity and release properties
- thermal conductivity
- high temperature resistance
- virtually chemically inert
- electrically insulating

**Container Size:** 10 kg drums

**BTBN5009** is manufactured and supplied by Bent Tree Industries



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