



Product Data Sheet

BTBN5035

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 **BTBN5035** is a high purity, de-agglomerated hexagonal boron nitride powder with a nominal 35 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 ₂ O _{3sol}	: 0.05%
Oxygen total	: 0.5%
C	: 0.02%
Ca	: 0.025%
Si	: 0.025%
Al	: 0.003%
Fe	: 0.002%
Surface Area (BET)	: 1.3 – 1.5 m ² /g
Tap Density	: 0.5 – 0.7 g/cm ³
D50	: 35 µm
D97	: 80 µm

Key Characteristics:

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

Container Size: 15 kg drums

BTBN5035 is manufactured and supplied by Bent Tree Industries



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