



Product Data Sheet

BTBN5018

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 **BTBN5018** is a high purity, de-agglomerated hexagonal boron nitride powder with a nominal 18 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 – 1.8 m ² /g
	Tap Density	: 0.5 – 0.7 g/cm ³
D50	: 17 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

BTBN5018 is manufactured and supplied by Bent Tree Industries



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