

## BORON NITRIDE (BN) GRADE A 01 GRADE B 50

<b>Chemical Formula</b>	BN
<b>Chemical Name</b>	Boron Nitride
<b>Description of Product</b>	White Powders / Hexagonal
<b>HS Number</b>	28500030
<b>Grades Available</b>	<b>Product Designation</b> Boron Nitride (BN Grade A 01) Boron Nitride (BN Grade B 50)

### Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [ $\mu\text{g/g}$ ])

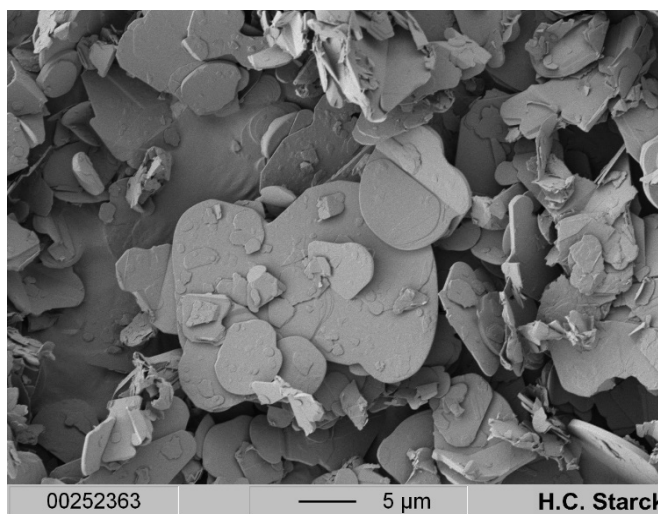
	<b>Grade A 01</b>	<b>Grade B 50</b>
B	42.5 - 43.5 %	41.5 - 43.5 %
O	max. 1.2 %	max. 6.0 %
B <sub>2</sub> O <sub>3</sub> (watersoluble)	max. 0.15 %	max. 3.00 %
H <sub>2</sub> O	max. 0.15 %	max. 0.70 %
C	max. 0.10 %	max. 0.20 %
<b>Crystallographic Phases</b>	Hexagonal	Hexagonal
<b>Structure</b>	High degree of crystallization.	High degree of crystallization.

### Physical Characteristics

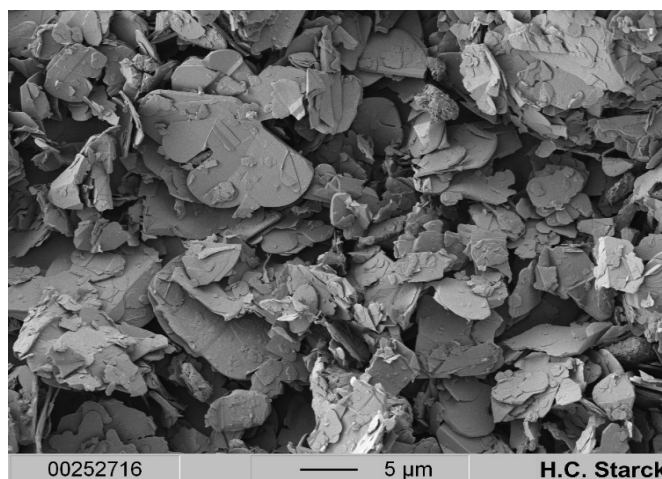
Specific Surface Area <sup>1)</sup>	3.5 - 7.0 m <sup>2</sup> /g	3.5 - 6.0 m <sup>2</sup> /g
Tap Density <sup>2)</sup>	0.20 - 0.50 g/cm <sup>3</sup>	0.30 - 0.50 g/cm <sup>3</sup>

1) TriStar by BET per ASTM D 3663, 2) ASTM B 527 (25 ml grad. Cylinder).

SEM picture<sup>3)</sup>  
BN Grade A 01



SEM picture<sup>3)</sup>  
BN Grade B 50



<b>Packaging</b>	BN Grade A 01 and BN Grade B 50 Packaging according to transport regulations. 25 kg in a specially coated 120 l fibre drum with a polyethylene bag. Packaging unit: 125 kg in 5 drums on CP 3 pallet.
<b>Storage and Handling</b>	Storage and handling are subject to the rules and regulations in the country of use. A Material Data Sheet is supplied when a contract is concluded and in any case of amendments. Store in a closed container.
<b>Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)</b>	None.
<b>Documentation</b>	An inspection document in accordance with EN 10204 is supplied with every shipment.

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