

BORON NITRIDE (BN) GRADE C

Chemical Formula	BN
Chemical Name	Boron Nitride
Description of Product	White Powders / Hexagonal / Agglomerated
HS Number	28500030
Grades Available	Product Designation Boron Nitride (BN Grade C)

Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [µg/g])

Grade C

B	min.	41.0	%
O	max.	7.0	%
B ₂ O ₃ (H ₂ O-soluble)	max.	3.0	%
C	max.	0.1	%

Crystallographic Phases

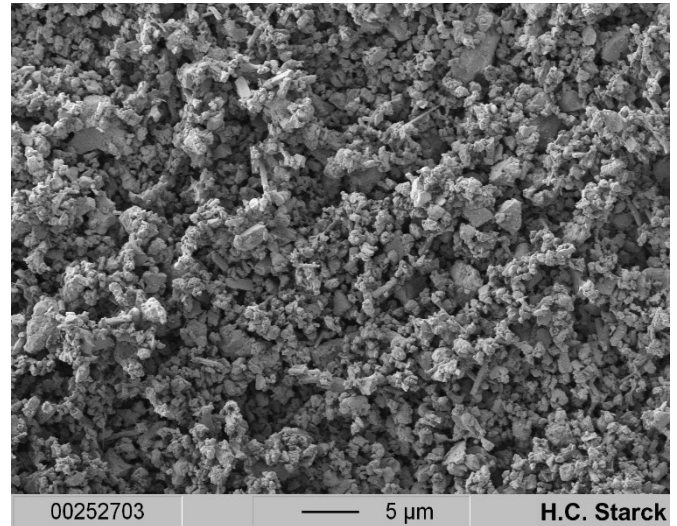
Crystal Structure	Hexagonal
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Physical Characteristics

Specific Surface Area ¹⁾	8.0	-	15.0	m ² /g
Tap Density ²⁾	0.20	-	0.50	g/cm ³
Loss on drying (130°C/0.1H)	max.		0.70	%

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

SEM picture³⁾
BN Grade C



Packaging

BN Grade C
Packaging according to transport regulations.
20 kg in a specially coated 120 l fibre drum with a polyethylene bag.
Packaging unit: 100 kg in 5 drums on CP 3 pallet.

Lot Size

Minimum order quantity: 100 kg.

Storage and Handling

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.

3) Secondary Electron Image (SEI)

Hazards identification in Advertising (REGULATION (EC) No 1272/2008)

Reproductive toxicity Category 1B - (H360)

Signal word
Danger



Hazard statements
H360FD May damage fertility.
May damage the unborn child.

Documentation

An inspection document in accordance with EN 10204 is supplied with every shipment.

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