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])

<table>
<thead>
<tr>
<th>Grade C</th>
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<tbody>
<tr>
<td>B</td>
<td>min. 41.0 %</td>
</tr>
<tr>
<td>O</td>
<td>max. 7.0 %</td>
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<tr>
<td>B₂O₃(watersoluble)</td>
<td>max. 3.0 %</td>
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<tr>
<td>H₂O</td>
<td>max. 0.7 %</td>
</tr>
<tr>
<td>C</td>
<td>max. 0.1 %</td>
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</tbody>
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Crystallographic Phases
Chrystal Structure  Hexagonal

Physical Characteristics
Specific Surface Area¹  8.0 - 15.0 m²/g
Tap Density²  0.20 - 0.50 g/cm³

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

1/2
3) Secondary Electron Image (SEI)

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.

Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)
None.

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

Höganäs Germany GmbH

Im Schleeke 78-91
38642 Goslar/Germany

Säckinger Straße 51
79725 Laufenburg/Germany

Phone +49 5321 751-53753
https://www.hoganas.com/en/contact/

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3) Secondary Electron Image (SEI)