

AMORPHOUS BORON GRADE I, GRADE II, GRADE III

Chemical Formula	B
Chemical Name	Amorphous Boron
HS Number	28045010
Grades Available	Product Designation^{e)} Amorphous Boron Grade I Amorphous Boron Grade II Amorphous Boron Grade III

Chemical Characteristics

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

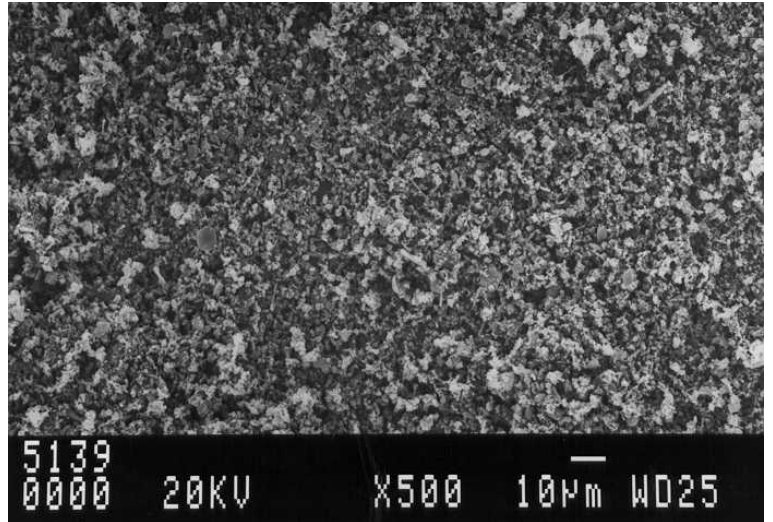
	Grade I	Grade II	Grade III
B	min. 95.0 %	90.0 %	86.0 %
B H ₂ O soluble	max. 0.2 %	0.5 %	0.3 %
H ₂ O ₂ insoluble	max. 1.0 %	1.0 %	1.0 %
moisture	max. 0.5 %	0.5 %	0.5 %
O	max. 2.2 %	4.5 %	1.5 %
N	max. 0.4 %	0.3 %	0.3 %
Mg	max. 0.8 %	6.0 %	12.0 %

Physical Characteristics

Average Particle Size	max. 1.0 μ m	0.8 μ m	1.4 μ m
Specific Surface Area ¹⁾	min. 10.0 m ² /g	18.0 m ² /g	5.0 m ² /g

1) Tri Star 3000 3-point by BET per ASTM D 3663, e) These products are under export control.

SEM Photomicrograph
scale see photograph,
Amorphous Boron Grade I



Packaging

Grade I and III: 20 kg steel drums with polyethylene inlet (60l).
8 drums on one pallet CP 1 (1000 x 1200 mm) = 1 packaging unit
of 160 kg.

Grade II: 15 kg steel drums with polyethylene inlet (60l).
8 drums on one pallet CP 1 (1000 x 1200 mm) = 1 packaging unit
of 120 kg.

Other packaging/quantity on request.

Lot Size

Höganäs amorphous boron powders are available in homogeneous
lots up to 600 kg.

Storage and Handling

Storage and handling are subject to the rules and regulations in the country of
use. Store in a closed container.

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

None.

Documentation

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

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