

SB Boron 90

Elemental Amorphous Boron Powder
Conforms to:
90-92% MIL-B-51092 (ARMY)/
OS11608(NAVY)/ PA-PD-451 (AIR
FORCE)



SB Boron Corporation has developed innovative technology to create a process that achieves a new level of consistency and reliability in amorphous boron. These refinements assure users that their most critical requirements will be met. **SB Boron 90** is currently used in research and industrial applications.

Among the innovations in the SB process is the use of argon in all-reactive stages to prevent the absorption of gaseous contaminants. Other new techniques include special micro milling to provide maximum surface area for improved reactivity and minimum moisture content.

Packaging

SB Boron 90 is packaged in sealed moisture-resistant 4-mil polyethylene bags meeting the appropriate military standard. Each bag is inserted in a fiber drum with fastening bolts. Shipping weight per drum, 58 lbs., net weight 50 lbs.

Shipping Data

The department of Transportation requires no special labeling for this product. Shipments are usually made via UPS or common carrier. There are no shipping restrictions.

SB Boron Corporation also manufactures **SB Boron 95 and SB Boron 86**. All our products are manufactured at our facility in Bellwood, Illinois, adjacent to Chicago's O'Hare International Airport.

Typical Chemical Analysis Component

Boron	90 - 92%
Magnesium	5.00% max
Insoluble in H ₂ O ₂	1.00% max
Water Soluble Boron	0.50%
Moisture	0.50% max
Iron	0.10%
Nitrogen	0.10%
Manganese	0.08%
Calcium, Silicon, Sodium	0.04%
Aluminum, Lead, Nickel	0.01%
Barium, Bismuth, Cadmium, Copper	0.005%

Physical Characteristics

Particle Size: 1 micron maximum per Fisher Sub-Sieve Sizer (FSSS).

Melting Point: 2167° C

SB Boron Corporation makes no warranty, express or implied, regarding the suitability of its products for any application. We do not guarantee that each shipment will conform exactly to the Typical Chemical Analysis. We supply a certified analysis with each lot.

SB Boron Corporation

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