



# B95-N

## Amorphous Elemental Boron 95% nano-reactive B

Rose Mill Company is an ISO 9001:2015 certified mineral processing company that provides amorphous elemental boron and metal boride powders for use in air bag manufacturing, military and defense products, metallurgy, welding applications, semiconductors and magnets.

B95-N powder meets MIL-B-51092. It has been formulated for increased reactivity with approximately 50% more surface area and fewer crystalline fractions as compared to standard amorphous boron powders. B95-N is available in small and large quantities. Rose Mill provides other grades of boron powders as well as refined borates such as boric acid and borax pentahydrate.

### Product Analysis

B95-N (boron 95%) CAS 7440-42-8

<u>Typical Analysis</u>	<u>Specification</u>	<u>Typical Result</u>
B	95.0% min.	95.9%
Mg	1.5% max.	<0.9%
O	2.2% max.	1.4%
N	0.4% max.	0.2%
H <sub>2</sub> O Insoluble	1.0% max.	0.5%

particle size (d50)	<0.8 um
specific surface area	>15 m <sup>2</sup> /g
melting	3769° F (2076° C)
density	146 lb/ft <sup>3</sup> (2.34 g/cm <sup>3</sup> )



#### Availability

- 10 g "sample" size
- 100 g
- 25 kg
- Custom Bulk Sizes