

AlB₂

Aluminum Diboride Powder

90% minimum AlB₂

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.

AlB₂ powder is used in energetics, such as pyrotechnics and airbags, as well as many emerging industrial technologies. It is available in small and large quantities. Rose Mill provides other grades of boron-based powders as well as refined borates such as boric acid and borax pentahydrate.

Product Analysis

AlB₂ (aluminum diboride 95%) CAS 12041-50-8

<u>Typical Analysis</u>	<u>Specification</u>	<u>Typical Result</u>
AlB ₂	90.0% min.	91.7%
Al	5.0% max.	3.4%
Al ₂ O ₃	5.0% max.	3.1%
Moisture	0.5% max.	0.2%

particle size (d50)	-50 mesh
melting	1688° F (>920° C) decomposes
density	199 lb/ft ³ (3.19 g/cm ³)



Availability

- 10 g “sample” size
- 100 g
- 25 kg
- Custom Bulk Sizes