

# MgB<sub>2</sub>

## Magnesium Diboride Powder 95% minimum MgB<sub>2</sub>

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.

MgB<sub>2</sub> powder is used in energetics, such as pyrotechnics and airbags, as well as superconductors and high-capacity wire. It is available in small and large quantities. Rose Mill provides other grades of boron powder as well as refined borates such as boric acid and borax pentahydrate.

### Product Analysis

MgB<sub>2</sub> (magnesium diboride 95%) CAS 12007-25-9

<u>Typical Analysis</u>	<u>Specification</u>	<u>Typical Result</u>
MgB <sub>2</sub>	95.0% min.	97.3%
MgO	5.0% max.	4.4%
Moisture	0.5% max.	0.2%

particle size (d50)	-50 mesh
melting	1526° F (>830° C) decomposes
density	160 lb/ft <sup>3</sup> (2.57 g/cm <sup>3</sup> )



#### Availability

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