

Magnesium

DIBORIDE POWDER

Quick FACTS

- ✓ Product : Magnesium Diboride Powder
- ✓ Color : Gray Powder
- ✓ Stock No : NS6130-12-001374
- ✓ CAS : 12007-25-9
- ✓ Purity : 99.9%
- ✓ APS : 40-60µm
- ✓ Other Metal : 800ppm

Magnesium diboride is the inorganic compound with the formula MgB_2 . Magnesium diboride (MgB_2) is an inexpensive and simple superconductor. The compound has attracted attention because it becomes superconducting at 39 K ($-234\text{ }^\circ\text{C}$). It can be used for a variety of applications such as hydrogen storage, high energy fuel and high field superconductors, superconducting transformers, rotors, transmission cables, superconducting radio frequency cavities to minimize energy loss. Magnesium Boride exhibits super conducting properties and utilized in MRI superconducting magnet, which is a closed-loop cryocooler. It is used as propellants, pyrotechnics and explosives. It can be used as high temperature boron-based thermoelectric materials.



 ISO 9001:2015
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ISO: 13485:2016/20ZICE4588M
CE: 20ZICE4589C

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Magnesium

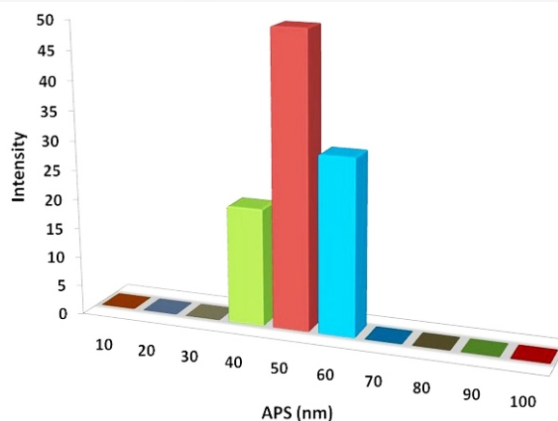
DIBORIDE POWDER

Applications

- ✓ Electronic devices
- ✓ High field superconductors, Superconducting transformers
- ✓ Rotors, Transmission cables
- ✓ Superconducting radio frequency cavities to minimize energy loss.

Packing Sizes Available

25Gms, 50Gms, 100Gms,
500Gms & Bulk Orders



Technical SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
MgB ₂	45.93 g/mol	2.57 g/cm ³	830 °C

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