

Boron NANOPOWDER

B

Purity
99.5%

Stock no.
NS6130-01-110
CAS : **7440-42-8**

Boron is a chemical element with the symbol B and atomic number 5. Boron nanoparticles are used extensively because of their thermal properties. They have a broad range of applications like energy generation purpose specifically as high-energy agents in solid propellants and fuels. Boron nanoparticles are used as protective coatings, anti-freezing agents, semiconductors, braking system fluids, neutron capturer in cancer therapy, hydraulic systems fluids, hydrogen generation from water, corrosion inhibitor. Nuclear reactor neutron absorber and neutron counters.

Technical Specification

Molecular Weight	Density	Melting Point	APS
10.81g/mol	2.46g/cm ³	2400°C	70nm



- Pharmaceuticals, ceramics industry and organic synthesis catalyst.
- Electronics industry ignited ignition tube pole.
- Solid rocket boosters of high-energy fuel.
- A variety of high-purity boron compounds synthesized amorphous boron powder.
- Boron powder is snapped automobile airbags initiator.
- Boron powder application of special alloy steel smelting.
- Boron powder production boron fiber raw materials.
- Boron powder in the molten copper gas scavengers.
- Boron powder applied to the fireworks industry.

APS: 70nm



ISO 9001:2015
CERTIFIED COMPANY



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