

HEXAGONAL

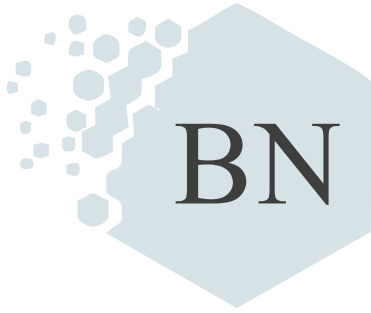
BORON NITRIDE (hBN)

Hexagonal Boron Nitride (hBN): Hexagonal Boron Nitride (hBN) is also known as 'White Graphite', has similar (hexagonal) crystal structure as of Graphite. This crystal structure provides excellent lubricating properties. Hexagonal Boron Nitride (hBN) has many unique physical and chemical properties such as low density, high melting point, high-temperature stability, high thermal conductivity, low dielectric constant, chemical inertness, electrical insulation, and high-temperature lubricity.

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A P P L I C A T I O N S

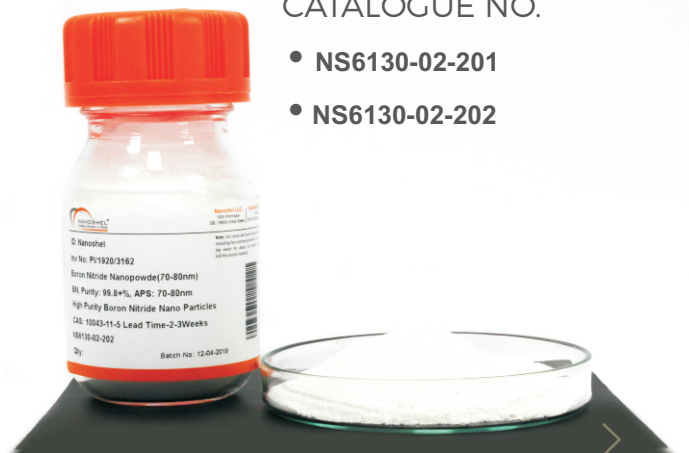
- ✓ High temperature lubrication.
- ✓ Electrodes, catalyst in fuel cell and batteries
- ✓ Filler for insulation and heat radiation material.
- ✓ Crucibles, boats, molten metal carrier pipes, pumps
- ✓ Thermocouple protection sheaths and lining for reaction vessels.
- ✓ Plastic Injection and Metal Injection Molds.
- ✓ Refractory molds for glass forming and Titanium forming.
- ✓ Glass manufacturing process.
- ✓ Cosmetics, Paints, Dental Cements, Pencil Leads etc.
- ✓ Aeronautic and Space applications.

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SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Weight: 24.82g/mol
- ✓ Color: White
- ✓ Density: 2.29 g/cm³
- ✓ Temperature Stability: 1000°C in Air
- ✓ 1400 °C in Vacuum
- ✓ 800°C in Inert atmosphere

All types of particles size are available in micro and nano range.



CATALOGUE NO.

- NS6130-02-201
- NS6130-02-202

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