

NS6130-02-201

Quick Facts

Product	:	Boron Nitride Nanoparticles (Hexagonal)
Stock No	:	NS6130-02-201
CAS	:	10043-11-5
Molecular Formula	:	BN
Purity	:	99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
24.82g/mol	2.29g/cm ³	2527 °C	800mesh

Boron nitride is a thermally and chemically resistant refractory compound of boron and nitrogen with the chemical formula BN. 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

Applications

- 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.

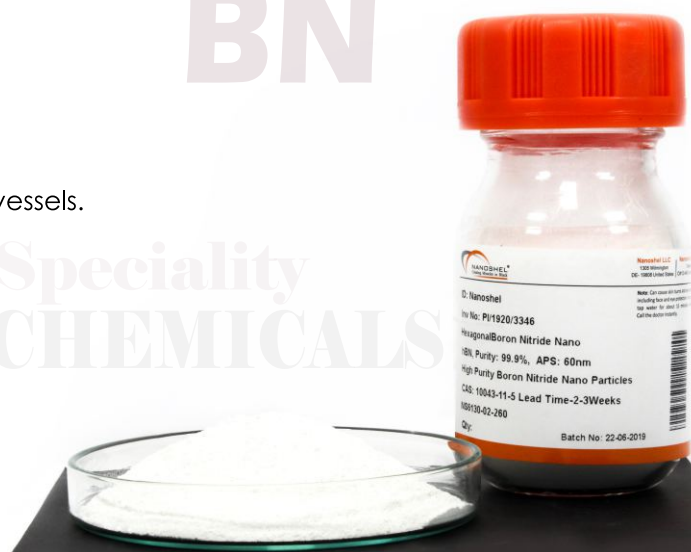
BORON NITRIDE

Nanoparticles
(Hexagonal)

Purity
99.9%

BN

**Speciality
CHEMICALS**



Follow us:



| www.nanoshel.com | sales@nanoshel.com



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911