

NS6130-02-260

HEXAGONAL BORON NITRIDE Nanoparticles

Quick Facts

Product	:	Hexagonal Boron Nitride Nanoparticles
Stock No	:	NS6130-02-260
CAS	:	10043-11-5
Molecular Formula	:	BN
Form	:	Powder

Purity
99.8%

Technical Specification

Molecular Weight	Density	Melting Point	APS
24.82 g/mol	2.29 g/cm ³	2527 °C	60nm

Boron nitride is a thermally and chemically resistant refractory compound of boron and nitrogen with the chemical formula BN. h-BN are used in cosmetics, paints, dental cements, and pencil leads. Hexagonal BN (h-BN) is the most widely used polymorph. Due to this range of unique properties Boron Nitride powders find use in a broad range of applications ranging from electronics, aerospace, oil and gas, ceramic manufacturing and cosmetics.

Application

- ✓ Polymer composite reinforcement
- ✓ Thermal management packages
- ✓ Piezo actuators, neutron shielding nanomaterial.
- ✓ Used as a heat sink in semiconductor lasers, microwave devices
- ✓ LEDs emitting light at a wide spectrum.



BN

APS 60nm



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