

NS6130-02-285

BORON CARBIDE

Nanoparticles

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Boron Carbide Nanoparticles

Product Stock No NS6130-02-285 CAS 12069-32-8

Molecular Formula B₄C Powder Form

Purity 99.9%

Technical Specification

Molecular Weight	Boiling point	Melting Point	APS
55.26g/mol	3500°C	2763°C	<90nm

Boron carbide powder is an extremely hard ceramic material. Boron carbide powder appears as gray black powder. Being one of the hardest materials manufactured on earth, it has numerous uses. Boron Carbide nanoparticles are used for coating and in nuclear reactors. Boron Carbide is used in anti-ballistic plating of body armors for humans and vehicles. These armor plates can resist the impact of weapons like bullets, shrapnel and missiles.



Application

- Abrasives
- **Ballistic Armour**
- **Nuclear applications**
- ceramic tooling dies

APS <90nm









www.nanoshel.com I sales@nanoshel.com







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Punjab (140507)

+91 9779 550077, 9779238252

NANOSHELUK LIMITED

Chapel House. Chapel St Cheshire, CW12 4AB United Kingdom

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

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