

NS6130-02-285

Quick Facts

Product	:	Boron Carbide Nanoparticles
Stock No	:	NS6130-02-285
CAS	:	12069-32-8
Molecular Formula	:	B ₄ C
Form	:	Powder

BORON CARBIDE

Nanoparticles

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



B₄C
APS <90nm



Follow us:



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