

SILICON CARBIDE POWDER

Stock No: NS6130-12-000731

SiC



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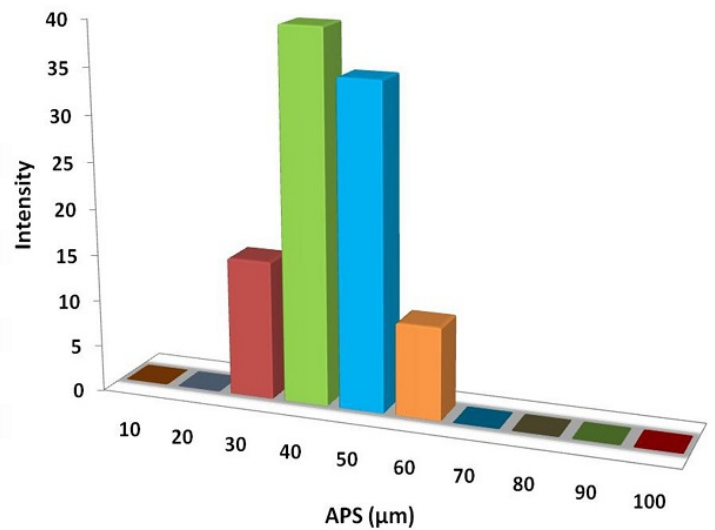
| www.nanoshel.com | sales@nanoshel.com

Silicon Carbide Powder

Silicon carbide is the only chemical compound of carbon and silicon. Silicon carbide, chemical formula SiC, is a covalent bond material. C and Si belong to the same family, all have a tetravalent bond, while Si also has metal properties. Its structure has the mesh shape and body shape and has high strength in nature, so the properties of silicon carbide material include high-temperature strength, wear-resistant, corrosion-resistant, high thermal conductivity, and high insulation. Silicon carbide ceramics the material properties remain constant up to temperatures above 1,400°C. The high Young's modulus > 400 GPa ensures excellent dimensional stability.

Quick Facts

Product	:	Silicon Carbide Powder
Color	:	Black/Gray Powder
Stock No	:	NS6130-12-000731
CAS	:	409-21-2
Purity	:	99%
APS	:	40-50µm
Other Metal	:	8500ppm



Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
SiC	40.01 g/mol	3.16g/cm ₃	2830 °C

Applications

- Abrasives
- Grinding
- Sintered Parts
- Hot-pressed Parts
- Reaction Bonded Parts
- Metal Matrix Composites
- High Temperature Sensors
- Heat Transfer / Thermal Management
- Ceramic Wear Parts
- Refractory
- Milling
- Lapping

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 1782 454 144, +44 74 105 48802

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

+1 646 470 4911

