

NS6130-02-281

SILICON CARBIDE

Nanoparticles

Quick Facts

| | | |
|-------------------|---|-------------------------------|
| Product | : | Silicon Carbide Nanoparticles |
| Stock No | : | NS6130-02-281 |
| CAS | : | 409-21-2 |
| Molecular Formula | : | SiC |
| Form | : | Powder |

Purity
99.9%

Technical Specification

| Molecular Weight | Density | Melting Point | APS |
|------------------|----------------------|---------------|-------|
| 40.10g/mol | 3.2g/cm ³ | 2830°C | <90nm |

Silicon carbide is widely used as an abrasive. It is used to make various materials such as sandpapers, grinding wheels, cutting tools, hard ceramics, automobile parts, refractory linings, high temperature bricks, heating elements, wear-resistant parts for pumps and rocket engines, and even jewelry. It is also an important material in the electronics industry and used for making light-emitting diodes (LEDs) and semiconductor devices.

Application

- ✓ Suction box covers
- ✓ Seals, bearings
- ✓ Ball valve parts
- ✓ Hot gas flow liners
- ✓ Heat exchangers
- ✓ Semiconductor process equipment



SiC
APS <90nm



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