

NS6130-02-207

SILICON CARBIDE

Nanoparticles

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Silicon Carbide Nanoparticles

Product Stock No

NS6130-02-207

CAS Molecular Formula 409-21-2

SiC Form Powder

Purity 99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
40.1g/mol	3.2g/cm³	2730 °C	1-40µm

Silicon carbide also known as carborundum is a unique compound of carbon and silicon is one of the hardest materials. Silicon carbide is a very stable and chemically inert compound. It is an extremely hard material, with a Mohs hardness rating of 9, close to that of diamond. It is also characterized by its high thermal conductivity, hightemperature strength, low thermal expansion, resistance to chemical reaction and ability to function as a semiconductor.





Application

- ✓ Automobile brakes
- ✓ Ceramic plates in bulletproof vests
- ✓ Light emitting diodes and sensors
- Semiconductor process equipment
- Hot gas flow liners
- Fixed and moving turbine components
- Seals, bearing, pump vanes

APS 1-40µm











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