



SILICON

CARBIDE NANOPOWDER

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, high-temperature strength, low thermal expansion, resistance to chemical reaction and ability to function as a semiconductor.



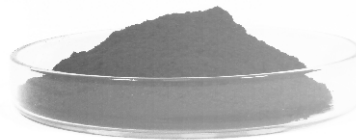
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APPLICATIONS

- ✓ 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



SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Weight: 40.1g/mol
- ✓ Color: Gary-green/Black
- ✓ Density: 3.2g/cm³
- ✓ Melting Point: 2730 °C

All types of particles size are available in micro and nano range.



CATALOGUE NO.

- NS6130-02-206
- NS6130-02-207
- NS6130-02-208
- NS6130-02-209



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