

**NS6130-12-001107**

# SILICON CARBIDE

## Iron Composite

### Quick Facts

Product	:	Silicon Carbide Iron Composite
Stock No	:	NS6130-12-001107
CAS	:	7440-50-8, 7439-89-6
Molecular Formula	:	SiC/Fe
Form	:	Powder
APS	:	30-40µm

**Purity**  
99%

Silicon carbide, with the chemical symbol SiC, is a solid industrial mineral crystalline. It is used as a semiconductor and a ceramic, commonly referred to as carborundum. SiC exists naturally in an extremely rare mineral called moissanite. Pure silicon carbides appear as colourless and transparent crystals. When impurities are added such as nitrogen or aluminium, silicon carbide crystals appear green or blue depending on the level of impurity. Silicon carbide is mostly used for its hardness and strength, though its combined ceramic and semiconductor properties make SiC excellent in the manufacturing of fast, high-voltage, and high-temperature devices.

### Applications:

- Abrasive material
- High-temperature gas sensor
- Electronics

**SiC/Fe**  
APS 30-40µm



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20ZICE4589C



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ISO 9001:2015  
CERTIFIED COMPANY

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