

SILICON CARBIDE FIBER

Stock No: NS6130-12-000608

SiC



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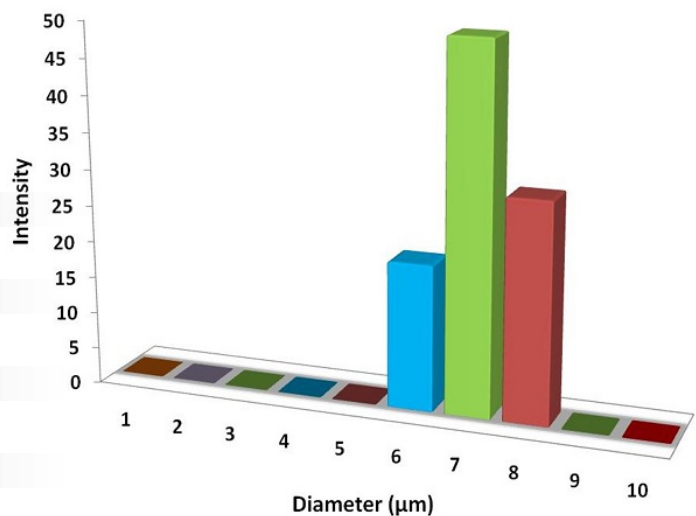
Silicon Carbide Fiber

Silicon carbide fiber for the most demanding applications. Silicon carbide fiber is a kind of high-performance ceramic material with carbon and silicon as the main components. Silicon carbide fibers have high stiffness, high tensile strength, low weight, high chemical resistance, high temperature tolerance and low thermal expansion. The lowest cost fiber, with high strength properties, wettability for metals, low electrical conductivity, high heat resistance, and corrosion resistance/chemical stability.

Due to its good performance, it has attracted much attention in high-tech fields such as aerospace, military weapons and equipment, and is commonly used as high-temperature resistant material and reinforcement material. The application of silicon carbide fiber is gradually extended to advanced sports equipment, automobile waste gas dust collection, and other civil industrial aspects.

Quick Facts

Product	: Silicon Carbide Fiber
Color	: Gray Fiber
Stock No	: NS6130-12-000608
CAS	: 409-21-2
Purity	: >95%
APS	: 6-8 μ m
Other Metal	: 1.5%



Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
SiC	40.10 g/mol	7.1g/cm ₃	2730 °C

Applications

- Aerospace, military weapons and equipment
- Commonly used as high-temperature resistant material and reinforcement material
- Sports equipment, automobile waste gas dust collection, and other civil industrial aspects.

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

