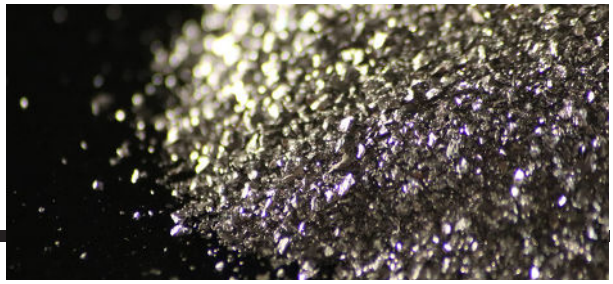
GNPGraystar
Specialty Materials
AN ISO 9001 CERTIFIED COMPANY



TECHNICAL DATA SHEET
Silicon Metal

Typical Chemistry

Silicon (Si)	> 98.0 %
Iron (Fe)	0.35 %
Aluminum (Al)	0.10 %
Calcium (Ca)	0.03 %

Physical Characteristics

Melting Point:	1500°C
Density:	7650 kg/m^3
Resistivity:	47.2 x 10^{-8} Ω·m
Particle Size:	< 100 nm (TEM)

Available Sizes:
Sizes are available from coarse grits to fine powders.
Customer specific sizes available upon request.

Description:
GNPGraystar's Silicon Metal powder is also called industrial silicon powder. It is silver gray or dark gray powder with a metallic luster. With high melting point, good heat resistance, high resistivity and superior oxidation resistance, it's called "industrial glutamate", which is an essential, basic, raw material in hi-tech industry.

Applications:
GNPGraystar's Silicon Metal is used in creating reaction-bonded silicon carbide parts, reaction-bonded boron carbide parts, recrystallized silicon carbide parts, aluminum alloys, silcone chemicals, polycrystaline silicon for solar cells, and semi-conductor grade silicon, and many more industrial applications.

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