

# IRON SILICON POWDER

Stock No: NS6130-12-000380



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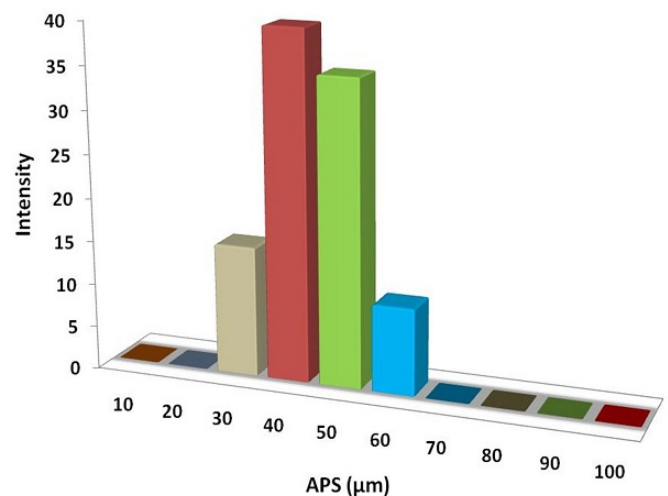
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## Iron Silicon Powder

Iron silicon powder offers significant advantages, displaying excellent soft magnetic properties such as high saturation magnetization, near zero magnetostriction and higher resistivity. Ferrosilicon is known to possess good resistance to abrasion, good resistance to corrosion, high specific gravity, and high magnetism, which allows easy magnetic recovery. In the steel making field, ferrosilicon is used as a deoxidizer and alloying agent to precipitate and diffuse deoxidation. In the iron casting, it can be used as an inoculant and nodulizer. Ferrosilicon also can be used as alloy element join agent, which is widely used in low alloy steel, non-ferrous metal, bearing steel, heat-resistant steels and electrician silicon-steel.

### Quick Facts

Product	:	Iron Silicon Powder
Color	:	Gray/Brown Powder
Stock No	:	NS6130-12-000380
CAS	:	8049-17-0
Purity	:	99.9%
APS	:	40-50 $\mu$ m
Other Metal	:	850ppm



## Technical Specification

Molecular Formula	Density	Melting Point
FeSi <sub>2</sub>	4.75g/cm <sub>3</sub>	1360°C

## Applications

- SMPS choke inductors
- PFC, VRM inductors
- Boost reactor
- Smoothing choke for inverter
- Used as deoxidizer and alloying agents in the steel industry
- Used as a reductant in ferroalloy production
- Used in the steel making, iron casting, low-carbon ferroalloy producing

ISO 9001:2015  
CERTIFIED COMPANY



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