

# Silicon

## NANOPOWDER

Si

Purity  
**>99%**

**Stock no.**  
**NS6130-01-141**  
**CAS : 7440-21-3**

Silicon nanoparticles are widely used in luminescent display devices, micro and integrated semiconductors, solar energy cells, Lithium-ion battery, silicon nanotubes, nanowires and nanofibers. Silicon powder is often used to increase the oxidation resistance of carbon-containing refractories. Silicon has many applications in various industries; for example, ultra high purity silicon is used in the semiconductor industry as a result of its semiconducting properties.

### Technical Specification

Molecular Weight	Density	Melting Point	APS
28.085g/mol	2.329g/cm <sup>3</sup>	1414°C	<100nm



- Silicon for plasma spraying (targets for sputtering)
- Silicon for advanced alloys
- Silicon for pyrotechnical applications
- Silicon for advanced ceramics
- Silicon for producing High Purity Silicon Carbide (for SiC wafers)
- Silicon for aesthetics applications
- Silicon for fillers

**APS: <100nm**



ISO 9001:2015  
CERTIFIED COMPANY



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