

Silicon NANOPOWDER

Si

Purity
>99%

Stock no.
NS6130-01-143
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 ³	N/A	<50nm



- 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: <50nm



ISO 9001:2015
CERTIFIED COMPANY



Follow us:



| www.nanoshel.com | sales@nanoshel.com

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 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC

3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911