

SILICON OXIDE Amorphous NANOPARTICLES

99.9%

(Purity)



Stock no:
NS6130-12-001978

CHEMICAL IDENTIFIERS

Purity	:	99.9%
Chemical name	:	SiO ₂
APS	:	15nm
CAS	:	112945-52-5
Density	:	2.3(g/cm ³)
Melting Point	:	>1600(°C)

Amorphous silica (SiO₂) is an inorganic material commonly used in semiconductor circuits to isolate different conducting regions. Due to its mechanical resistance, high dielectric strength, and selectivity for chemical modification, amorphous silica has also become a key material in microelectronics and chromatography. Because of its unique properties, silica is quintessential for a broad range of applications: chips, optical fibers, and telescope glasses are manufacture on silica. Furthermore, molecular biologists employ silica in resins and optical beads to study the biomacromolecules.

Applications

- ✓ Nanoelectronics, self-assembly of nanostructures, microfluidics,
- ✓ DNA microarray technology and nanopore sensors.
- ✓ Microsilica are used for the primary purposes of obtaining high strength and superior durability performance in concrete.



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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