

SILICON Dioxide NANOPOWDER

99.9%

(Purity)



Silicon dioxide (SiO_2) is a compound of Silicon and Oxygen, commonly called silica and the elements are linked by the covalent bond. It is one of the components of the sand and can be found naturally in Quartz. It is usually white or colorless and is not soluble in water or ethanol. By associating with minerals, it forms the silicate family. Silicon dioxide is a solid and colorless crystalline substance. Silicon dioxide does not react with water and is resistant to acids. The molecular formula of the substance is SiO_2 . Silicon oxide, a member of the group of acidic glass-forming oxides, interacts with increasing temperature with alkalis and basic oxides, soluble in hydrofluoric acid, tends to form a supersaturated fusion, that is, glass is an excellent dielectric.

Stock no:
NS6130-03-343

CHEMICAL IDENTIFIERS

Purity	:	99.9%
Chemical name	:	SiO_2
APS	:	60-70nm
Molecular Weight	:	60.08 g/mol
Density	:	2.4 g/cm ³
Melting Point	:	1600 °C

Applications

- ✓ Silica (SiO_2) nano powder is the preferred material in the adhesive and sealant field.
- ✓ SiO_2 Nanoparticles increases the strength and finish of the coating and improves the suspended pigment of the paint which do not fade for a long time.
- ✓ Silica (SiO_2) nano powder has played an important role in functional textiles, at present, it has been used to prevent ultraviolet and works as an anti-aging and anti-bacterial deodorant.



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20ZICE4589C



19ZAZGO1274G



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