

# SILICON DIOXIDE NANOPOWDER

Coated with **KH550**



Purity  
**99.9%**

**SiO<sub>2</sub>**



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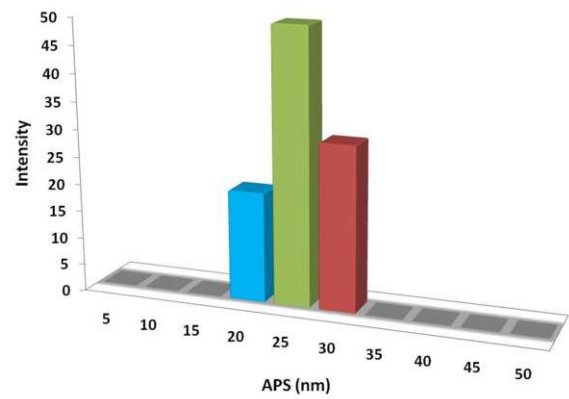
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NS6130-03-346

NEXT

## SILICON DIOXIDE NANOPOWDER

Silicon Dioxide nanopowders are utilized in many applications due to their high stability and compatibility with other molecules and polymers. As silicon dioxide nanopowder hard materials due to this, these can be utilized as strengthening filler for composite materials. These are used due to their low toxicity and used in the environmental protection products. These can be added as additives to plastics. Silicon dioxide nanoparticles coated with KH550. The Silane coupling agent is super oleophilic and hydrophilic. It is suitable for both oily and waterborne systems. It is used as a coupling agent to improve the physical and electrical properties of glass-reinforced and mineral-filled thermosetting resins under exposure to heat and/or moisture.



### ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-03-346	99.9%	20-30nm

### TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
SiO <sub>2</sub>	60.08 g/mol	2.4 g/cm <sup>3</sup>	1610 °C

### CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	SiO <sub>2</sub>	Other Metal
Silicon Dioxide Nanopowder	99.9%	1000ppm

### APPLICATIONS

- > Use as an additive for plastics, rubber, ceramics, porcelain, glass, adhesives, fibers
- > Use as strengthening filler
- > In a biomedical field such as drug delivery and theranostics.
- > To increase mechanical, electrical properties
- > To increase water resistance properties for organic polymer
- > Heat resistance
- > Antibacterial
- > Waterproof
- > Anti-aging
- > Self-cleaning, suspension stability, weather resistance, washing
- > To enhance the performance, such as the sealing, anti-seepage modifier,
- > Used in electronic packaging,

## QuickFACTS

Product	:	Silicon Dioxide Nanopowder
Stock No	:	NS6130-03-346
CAS	:	7631-86-9
Color	:	White
Form	:	Powder
Symbol	:	SiO <sub>2</sub>



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015  
CERTIFIED COMPANY

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