



## Chem-Metals & Rare Earth

### ■ Silicon Oxide



**High Purity Silicon Dioxide** is mainly used to produce elemental silicon, optical glass, optical fiber, czochralski crucible, quartzware machine parts and coating materials. It is also a primary raw material for electronic components.

Formula	SiO <sub>2</sub>
Appearance	Crystal
Molecular weight	60.08
Density	2.648 g/cm <sup>3</sup>
Melting Point	1600-1725 °C
CAS No.	7631-86-9

No.	Item	Standard Specification	
1	SiO <sub>2</sub> ≥	99.999%	
2	Impurity PPM Max each	Al/Fe/Pb/Ti/Mg	Cr/Mn/Co/Sn/Na/Ni/Cu/V
		1	0.5
3	Size	-200mesh~+500mesh	
4	Packing	25kgs in a cardboard drum with plastic bag inside	

### ■ Nano Silicon Oxide



**Nano Silicon Dioxide** possesses many special characteristics, such as quantum size effect, surface effect, macro-quantum tunnel effect. It is mainly used as new material for catalyst, filters, medicine, electronic package material, FRC, ceramic and pigment etc.

Formula	SiO <sub>2</sub>
Appearance	White Powder
Molecular weight	60.08
Density	2.648 g/cm <sup>3</sup>
Melting Point	1600~1725 °C
CAS No.	7631-86-9

No.	Item	Standard Specification	
1	SiO <sub>2</sub> ≥	99.9%	
2	Impurity PCT Max each	Fe/Ni/K	Ca/Mg/Na/Cu/Mn/Co/Pb/N/S
		0.002	0.001
3	LOI	6.0 % (950 °C, 2h)	
4	Size	7nm, 20nm	
5	Packing	In woven bag with plastic bag inside, 25kgs net	