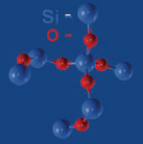




# High Purity Quartz Sand



We offers high purity quartz sand with SiO<sub>2</sub> between 99.99% and 99.9993%. Uniquely high quality quartz material in Donghai area combined the advanced purifying technology and facilities ensure our quality consistent and stable. Our products can be generally divided into 3 grades QSL、QSS、QSE according to different applications. The characteristics of low phosphor and boron make it ideal for polycrystalline silicon, quartz crucible, semiconductor and solar industries.

A range of testing items is inspected for each batch. They include microstructure, particle size, impurity content, residual hydroxyl ion(OH) content, color impurities, etc.

We will provide high quality sand to the customers all over the world in the field of lighting, solar energy and semiconductor.



## Impurity Level

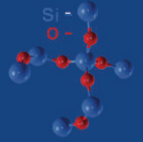
Unit : ppm

Code	Al	Fe	Ca	Mg	Cu	Mn	Cr	Ni	Na	Li	K	B	P	Application
QSL	16.0	0.5	1.5	0.2	0.05	0.05	0.05	0.05	0.9	0.8	0.9	-	-	Quartz Tube & Rod used in Lighting
QSS	16.0	0.4	1.0	0.1	<0.05	0.05	<0.05	<0.05	0.9	0.6	0.8	0.07	0.07	Crucible,Tube & Rod used in Solar
QSE1	15.0	0.2	0.6	0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.6	0.4	0.07	0.04	Crucible,Tube & Rod used in Semiconductor
QSE2	8.0	0.15	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.4	0.1	0.04	0.04	Crucible,Tube & Rod used in Semiconductor
QSE3	5.0	0.1	0.4	0.05	<0.05	<0.05	<0.05	<0.05	0.08	0.3	0.07	0.04	0.03	Crucible,Tube & Rod used in Semiconductor
QSM	16.0	0.6	0.9	0.05	<0.05	<0.05	<0.05	<0.05	<1.0	<1.0	<1.0	0.1	-	Normal Quartz Ingot
QSSM	14.0	0.3	0.6	0.05	<0.05	<0.05	<0.05	<0.05	0.7	0.7	0.9	0.07	-	Quartz Ingot used in Solar
QSEM	8.0	0.15	0.6	0.05	<0.05	<0.05	<0.05	<0.05	0.08	0.2	0.07	0.04	-	Quartz Ingot used in Semiconductor





# High Purity Quartz Powder



We use high purity quartz stone as raw material to make the high purity quartz powder.

We fully utilize our technology of refining, crushing and grading .

The product features high purity、high whiteness、stable physical and chemical properties and reasonable controllable particle size distribution.

This product is mostly used as material for epoxy potting compound, epoxy mould compound, electronics, engineering plastic, silicon rubber, precision ceramic, casting, paint, ink industry, etc.



## Chemical Composition

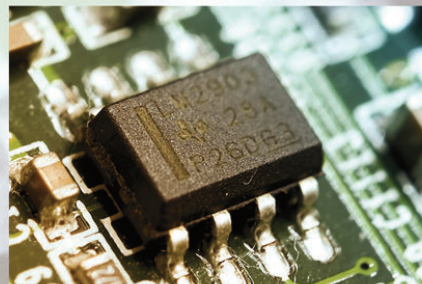
SiO<sub>2</sub> : 99.8% Min.  
Fe<sub>2</sub>O<sub>3</sub> : 50ppm Max.  
Al<sub>2</sub>O<sub>3</sub> : 200ppm Max.  
Na<sup>+</sup> : 5ppm Max.  
Cl : 5ppm Max.  
EC(μs/cm) : 5 Max.

## Physical Properties

Appearance : White Powder  
Whiteness : 92 Min.  
Specific Gravity : 2.65  
Hardness (Mohs) : 7  
PH : 5 - 8  
Moisture : 0.1% Max.

## Particle Size available

0.1-0.3mm 0.1-0.5mm 0.3-0.7mm 0.7-1.2mm  
0.2-0.8mm 1.2-2.5mm 2.5-4.0mm 4.0-6.0mm  
400mseh(D50 15Micron; -325 mesh 90% Min)  
600mseh(D50 12Micron; -325 mesh 95% Min)  
1250mseh(D50 7Micron; -325 mesh 95% Min)



High purity quartz are largely used as fundamental material for high end quartz countertop. The quartz sand is bonded with resins and binders and processed into a strong and durable material which is beautiful in appearance. Stylishness, brilliance, durability and low maintenance are just few of the reasons to consider quartz for the kitchen, bathroom or other applications. The quartz surface also offers unprecedented performance to be stain, scratch, scorch resistant and antimicrobial at the same time.

