

Synthetic Silica Powder MKC® Silica

Ultrapure synthetic silica powder derived from silicon alkoxide. Ideal as a raw material for quartz glass (silica glass) which requires high purity.



MKC® Silica

CAS No.: 60676-86-0

EINECS: 262-373-8

Characteristics

- Purity**
 This product, derived from chemically purified Si compound (silicon alkoxide), can be used for production of ultrapure quartz glass. Particularly, alkaline metals and alkaline earth metals, which affect the lifetime of quartz glass, can be significantly reduce.
- Quartz glass**
 Quartz glass can be manufactured with satisfactory performance in a wide range of wavelengths from UV to IR (titanium-free).

Properties

- Molecular formula SiO_2

Impurities	Al [ppm]	0.01>
	Ca [ppm]	0.01>
	Fe [ppm]	0.02
	K [ppm]	0.01>
	Na [ppm]	0.01>
	Ti [ppm]	0.01>
	OH [ppm]	44
Average particle size in weight	D50 [μm^*]	197
Bulk density [g / cc]		1.25

*micrometer
(Typical analytical results)

Applications

- Various Quarts(Silica) glass products**
 Optical fibers
 Optical components
 Parts for semiconductor manufacturing

Packing

- Fiber drum (Drum made of Cardboard)
net. 50 kg, 200 kg