OOKKAM
SHELL ROOM SOLUTIONS LLP
LLP IN: ACN - 0190
GST IN: 33AAJFO5368A1ZF

PRODUCT DATA SHEET
Fused Silica/Investment Casting Grade

Fused Silica is made of high purity Chinese crystal Silica by electrically fusing (fusing temperature 1800-2000℃) to amorphous Silicon dioxide. It is then crushed to granular and flour form designed for investment casting application. This product has a very low thermal conductivity and excellent thermal shock resistance.

Special Features:

- Very low coefficient of thermal expansion & Low thermal conductivity
- Superior Heat Resistance & Chemical Resistance
- Pure (high SiO2 content, low Fe, Na, K & Ti)
- Consistent Chemistry
- Statistically controlled particle size distribution

Main Applications:

- Investment Casting, shell mould product
- High Grade Refractory Materials

Chemical Composition:

SiO2:	99.80% Min
AL2O3:	0.02% Max
Fe2O3:	0.010% Max.
Na2O:	0.005% Max.
TiO2:	0.002% Max.
K2O:	0.002% Max
CaO:	0.002% Max.
MgO	0.002% Max

Crystallinity(Quartz+Tridymite+Cristoblite) 0.1% Max.

Physical Properties:

Appearance:	Transparent Granules or White Powder
Specific Gravity:	2.21
Moisture:	0.05%Max.
Magnetic:	0.01 Max.

Typical Grain Size:

Retained on	30/50 mesh	50/100 mesh	-200 mesh
20	<1		
30	15 - 30		
50	85 - 95	<13	
100	< 10	85 - 95	<1
140		5 - 15	<10
200		<2	<15
325			15 - 30
Pan	<2	<2	70 - 80
Average Particle Size D 50 µ			26 - 27

PACKING

FUSED SILICA grains and flour are packed and dispatched in 25 kg woven polypropylene bags.

REMARKS

Our technical support team can provide more product information and usage details. Contact us at: ookkam.srs@gmail.com

FACTORY: #1/288 -14, SURVEY # 117/1, RAYAKOTTAI MAIN ROAD, ONNALVADI VILLAGE & POST, HOSUR – 635109, TAMIZH NADU, INDIA
PHONE: 8838765362, 9566659759, 9080184281 EMAIL: ookkam.srs@gmail.com