

## GANESHAS LIME & MINERALS

### MANUFACTURERS & EXPORTERS FOR :

All Types of Shaped and Un-shaped Refractory Products & Monolithics,  
Turnkey Projects with Supply And Installation, Heat Audit

Contact Person : Tushar Rana | 96620 13109  
Pina Rana | 99986 82109



Ref. No. :

Date :

## PRODUCT DATA SHEET FOR SAND

### DATA SHEET – SILICA SAND

We are giving below the standard specifications of silica sand available with us Ex-Stocks

### Applications of Silica Sand

**Glass:** Silica is the major ingredient in virtually all types of glass. The principal glass products include containers (bottles and jars), flat glass (windows, mirrors, vehicle glazing etc.), lighting glass (light bulbs, fluorescent tubes, etc.), tableware (lead crystal, drinking glasses etc.), TV tubes and screens, decorative glass, fiber glass, optical glass and vacuum flasks.

**Ceramics:** Silica that has been ground to fine size is an ingredient of most clay bodies and is a major constituent of ceramic glazes. Typical everyday products include tableware, sanitary ware, ornaments and wall and floor tiles.

**Filtration:** Closely sized grades of silica sand is the principal filtration medium used by the water industry to extract solids from wastewater.

**Chemical Production:** Silicon-based chemicals are the foundation of thousands of everyday applications ranging from food processing to soap and dye production. In this case, SiO<sub>2</sub> is reduced to silicon metal by coke in an arc furnace, to produce the Si precursor of other chemical processes. Industrial sand is the main component in chemicals such as sodium silicate, silicon tetrachloride and silicon gels.

**Metal Production:** Industrial sand plays a critical role in the production of a wide variety of ferrous and non-ferrous metals. In metal production, silica sand operates as a flux to lower the melting point and viscosity of the slags to make them more reactive and efficient. Lump silica is used either alone or in conjunction with lime to achieve the desired base/acid ratio required for purification. Construction Use-Silica sand comes from mines. Dug with heavy mining machineries. Then washed in fully automatic plant, so the clay and other impurities washed out fully. The mining operation is a delicate task because the sand has to be separated carefully in order to not carry too much coarse grains on it.

**Power Plant** The Silica sand is very fine and whiter. It is also highly recommended for finishing works. The high silicon dioxide content (More than 98%) of our sand makes this product very demanded for these purposes. Micro-filling effect of Silica Sand reduces pores in concrete and provides better moisture resistivity and thus durability.

Office : G-1203, Titanium City Center, Opp. Sachin Tower Anandnagar 100ft Road,  
Ahmedabad-380015. (Gujarat) India • Phone : 079-40040109

Work : Plot No.: 24, Gallops Industrial Park-2, Village Chacharwadi-Vasna, Changodar-Bavla Highway,  
Tal. : Sanand, Dist. Ahmeabad-382213. (Gujarat) India.

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**CHEMICAL SPECIFICATION OF SILICA SAND :**

Source of Sand	Chemical Constituents ( % )							K2O & N2o
	SiO2	Fe2O3	Al2O3	TiO2	CaO	MgO	LOI	
Kutchh (Gujarat)	98.50	0.04	0.60	0.08	0.20	0.08	0.50	nil
	Min.	Max.	Max.	Max.	Max.	Max.	Max.	----

**GRANULOMETRY SPECIFICATION :**

- <30 MESH -- 0.5 % Max.
- >50 MESH – 0.5 % Max.

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## SILICA SAND GRADE

### Product Description

#### Specifications

Parameters	Grade	Grade	Grade
	GLM-Premium	GLM-Spiral	GLM-Regular
SiO <sub>2</sub>	99.1 % Min	99 % Min	98.5 % Min
Al <sub>2</sub> O <sub>3</sub>	< 0.4 %	< 0.4 %	< 0.6 %
Fe <sub>2</sub> O <sub>3</sub>	< 0.018 %	< 0.030 %	<0.060 %, <0.025 %
CaO	< 0.15 %	< 0.15 %	< 0.15 %
TiO <sub>2</sub>	< 0.05 %	< 0.06 %	< 0.05 %
Moisture	NIL	5%	5%
Process	Dry	Wet and Dry	Wet and Dry
Grain Size	As Per Requirement	As Per Requirement	As Per Requirement

PACKED IN 50KG BAGS

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