



Silica Sand

Constituents	Type 1	Type 2	Type 3
SiO ₂	99.60% min.	99% min.	97.00 % min.
Fe ₂ O ₃	0.016 % max.	0.016: 0.030 %	0.05 : 0.120 %
Al ₂ O ₃	0.30 % max.	0.15 : 0.30 %	0.70 % max.
TiO ₂	0.016 : 0.04 %	0.016 : 0.04 %	0.04 % max.
CaO	0.03% max.	0.03% max.	0.07 % max.
MgO	0.005% max.	0.005% max.	0.04 % max.
Cr ₂ O ₃	Traces	Traces	0.0005 % max.
Na ₂ O	Traces	Traces	
K ₂ O	Traces	Traces	
MnO	Nil	Nil	
L.O.I. (1050-0000C)	0.13 - 0.30	0.13 - 0.30	



Description

Silica (SiO₂) sand is the sand found on a beach and is also the most commonly used sand.

It is made by either crushing sandstone or taken from natural occurring locations, such as beaches and river beds.

Silica sand is the most commonly used sand because of its great abundance, and thus low cost (therein being its greatest advantage).

USES:

- glass industry - Foundry casting - Ceramics industry - principal filtration (Water industry)

- Specialist building applications - Sports and leisure

- Other users:

many other applications including the manufacture of chemicals and metals, fillers in numerous products, plastic and otherwise, the manufacture of refractories, stimulating oil production and as additives in agricultural and horticultural products.

It is difficult to imagine a life without silica!