

Specification Sheet

Silica Sand

The Specifications outlines for silica sand to be used as a filler material in GRP (Glass Reinforced Polyester) and GRE (Glass Reinforces Epoxy)

(I) Glass Sand

1- Granule metric Analysis

m.m	%	
	From	To
0.707	0.6	0.74
0.500	7.12	7.77
0.297	28.2	37.77
0.177	56.78	47.85
0.125	3.54	3.93
0.074	1.79	1.99
-0.074	0.95	1.37

Physical Properties:

Color:

White Crystalline Particles.

Particles Form:

Round

Max Moisture Content:

Less than 0.1 %

Grain Size:

+ 18 mesh: 0.0 %

+20 mesh: 0.0%

+25 mesh: 0.0 %

-230 mesh: nil

The ratio from (+30 mesh) to (- 170 mesh) are in the range of your curve.

2-Chemical Analysis

Oxide	%	
	From	To
SiO₂	99.4	99.6
Al₂O₃	0.06	0.09
Na₂O	0.05	0.07
K₂O	0.01	0.02
CaO	0.02	0.09
MgO	0.03	0.03
Fe₂O₃	0.012	0.018
Cr₂O₃	2P.P.M	2P.P.M
TiO₂	0.017	0.021
L.O.I	0.15	0.025

(II) Quartz (A)

Chemical Analysis

Oxide	%	
	Min.	Max
MgO	0.001	0.003
CaO	0.0037	0.0275
SiO ₂	99.75	99.99
Al ₂ O ₃	0.01	0.037
Fe ₂ O ₃	0.013	0.042
Na ₂ O	0.003	0.01
K ₂ O	0.001	0.01
TiO ₂	0.003	0.019
P ₂ O ₃	0.0001	0.0154

(3) San Rock Sand

Oxide	%	
	Concentration	Abs Error
Na_2O	< 0.040	0.0
MgO	< 0.017	0.0100
Al_2O_3	< 0.019	0.0
SiO_2	99.93	0.18
CaO	0.01505	0.00059
TiO_2	0.02829	0.00075
Fe_2O_3	0.01927	0.00021

AMA United Group
For Commercial Agents And Engineering Designs

Address:- 34 Abbas Saleh St. , Ard EL-Sherka , Shoubra , Cairo .
Tele.Fax:- (+2) – 02 – 2239 4822 .
Mobile:- (+2) – 012 647 1842 / 012 577 5976 / 012 055 0648 .
P.O Box:- 33 Shoubra , Misr (11231) Cairo , Egypt .
E – Mail:- info@amagroup-eg.com
MSN:- ama-group@live.com
Skype:- ama-group
Website:- www.amagroup-eg.com