



TECHNICAL DATA SHEET

SILICA SAND

SS25

General Properties

Silica sand from MAYN is a natural product that is extracted from the quarries in Egypt. It is classified into various categories according to the industry's requirements. With high purity, sieves are used to provide the desired particle size distribution. It is free of any organic contaminants and free of any harmful solutions. It is used in glass and silicon industries, water filtration.

Chemical Composition

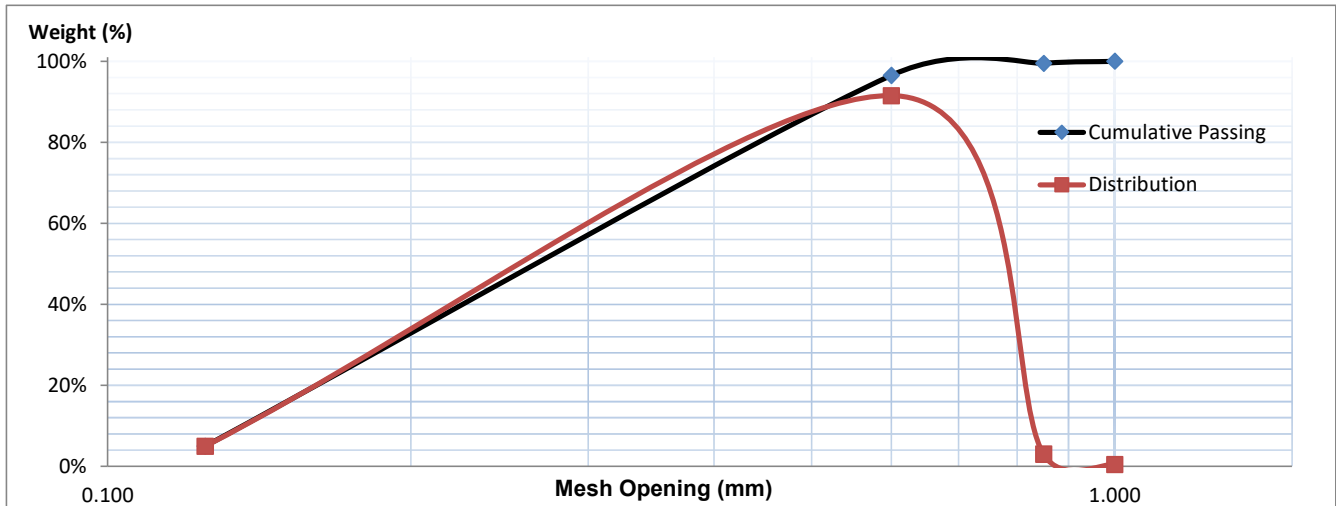
IUPAC Name	Chemical Formula	Weight (%)
Silicon dioxide	SiO ₂	> 99.5%
Iron (III) oxide	Fe ₂ O ₃	< 0.025%
Aluminum oxide	Al ₂ O ₃	< 0.30%
Calcium oxide	CaO	< 0.10%
Magnesium oxide	MgO	< 0.10%
Potassium oxide	K ₂ O	< 0.10%
Titanium dioxide	TiO ₂	< 0.08%
Sodium oxide	Na ₂ O	< 0.05%
Loss in Ignition	L.O.I.	< 0.40%

Particle Size Distribution (PSD)

Particle Size Range	Weight (%)
0.000 – 0.125 mm	< 5.00%
0.125 – 0.600 mm	> 91.5%
0.600 – 0.850 mm	< 3.00%
0.850 – 1.000 mm	< 0.50%

Type of Packing

Jumbo bag



Sieve	ISO-3310	Tyler	ASTM-E11	BS-410	DIN-4188	Cumulative Weight (%)
125 µM	125 Microns	Mesh 115	No. 120	Mesh 120	0.125 mm	5.00%
600 µM	600 Microns	Mesh 28	No. 30	Mesh 25	0.600 mm	96.50%
850 µM	850 Microns	Mesh 20	No. 20	Mesh 18	0.850 mm	99.50%
1000 µM	1000 Microns	Mesh 16	No. 18	Mesh 16	1.000 mm	100%

Silica sand is a prepared natural product. All data are approximate values and do not represent any warranty

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MAYN

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