

# FLINT DATA SHEET

REFERENCE:

PQ1003

TRADE NAME:

SILICA SAND 0,4 - 0,8 mm - 25Kg pack



Silica sand is composed of more than 99% of silicon dioxide (SiO<sub>2</sub>) and small amounts of other minerals, usually in the form of oxides.

It is used as a filter bed for water purification, interceding in the retention process of small-sized particles that are not separated by decantation.

Silica sand is classified by the size of its grains, both wet and dry, by sieving it using different-sized screens.

## PHYSICOCHEMICAL CHARACTERISTICS OF SILICA SAND

CHEMICAL ANALYSIS		PHYSICAL CHARACTERISTICS	
SiO <sub>2</sub>	99,51%	Apparent density:	1,60 T/m <sup>3</sup>
Al <sub>2</sub> O <sub>3</sub>	0,26%	True density:	2,65 T/m <sup>3</sup>
Fe <sub>2</sub> O <sub>3</sub>	0,05%	Acid resistance CIH:	99,70
CaO	0,02%	Friability:	5,00
TiO <sub>2</sub>	0,02%		
K <sub>2</sub> O	0,04%		
Na <sub>2</sub> O	0,01%		
P.P.C.	0,05%		

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## TECHNICAL CHARACTERISTICS

MESH SIZE	RETAINED WEIGHT	ACCUMULATED WEIGHT
2,36 mm	0,00%	0,00%
1,40 mm	0,51%	0,51%
1,00 mm	8,02%	8,53%
0,60 mm	56,97%	65,50%
0,50 mm	18,03%	83,53%
0,30 mm	12,48%	96,01%
0,15 mm	3,35%	99,36%
0,10 mm	0,52%	99,88%

BED EXPANSION GRAPH

