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PL5731127315
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Product Data Sheet

Technical sands GW

Sands with extremely high content of SiO_2 are an exclusive raw material at water treatment for filtration of drinkable and technological water and for a wide range of use in the construction, for the investment casting technology. These sands are also used in the building industry as filler into the industrial floors and for the sand blasting of the concrete and steel constructions. Furthermore the technical sands are used for the artificial sports grass backfilling. Technical sand with low content of Fe_2O_3 is an exclusive raw material for the electro-technical industry as an extinguisher for high-voltage fuses, as a filling and insulating material for electrical heating bodies and for other wide ranges of use. The sands are being sold dried, in bulk or in bags, transported on trucks or wagons.

1. GRANULARITY AND OTHER CHARACTERISTICS:

Grades ►	GW 01/06	GW 02/06	GW 03/08	GW 06/12	GW 06/12F	GW 10/40	Unit	Method
Middle grain size (d50)	0,36	0,35	0,55	0,93	0,91	1,98	mm	screening
AFS	33	32	23	15	15	5		screening
Bulk weight	1,52	1,5	1,5	1,52	1,52	1,55	kg/l	
> 4000 μm			0	3,6	3	0	%	screening
> 1250 μm	0	0				99	%	screening
> 1000 μm			5,2				%	screening
> 800 μm	7,9	0,17		94,2	96,6		%	screening
> 630 μm							%	screening
> 500 μm			93,5				%	screening
> 315 μm	86,5	98,33				1	%	screening
> 200 μm				2,2			%	screening
> 100 μm	5,4		1,3		0,4		%	screening
< 100 μm	0,2	1,5					%	screening



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2. CHEMICAL ANALYSIS (RFA) %:

Grades ►	GW 01/06	GW 02/06	GW 03/08	GW 06/12	GW 06/12F	GW 10/40
SiO ₂	99,2	99,4	99,4	99,2	99,3	99,2
Fe ₂ O ₃	0,04	0,02	0,02	0,03	0,03	0,03

3. PHYSICAL CHARACTERISTICS:

Density (g/ml)	2,65
Hardness, Mohs	7
Loss by annealing (%)	0,1 - 0,3
Humidity (%)	max. 0,2
pH	7,2

Silica sands are improved natural raw materials. The above-mentioned information is based on average values. The data should be considered as indicative. Occurrence of coarser or finer fractions in trace quantities is possible. The user should test the product and consider, whether it is suitable for the desired purpose. On the customer's request we can discuss the tolerances of the products data. Sale and delivery is always based on agreed commercial conditions and relevant producer standard or a quality agreement.