

TECHNICAL SANDS

Sands with extremely high content of SiO₂ 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 Fe₂O₃ 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.

GRANULARITY AND OTHER CHARACTERISTICS

	ST 01/06	ST 03/08	ST 03/30	ST 05/10	ST 06/12	ST 10/40	Method
Middle Grain Size (d50)	0,43	0,59	1,7	0,76	0,9	2,5	mm screening
AFS	31	23,4	8	17,5	14,5	5,4	screening
Bulk Weight	1,52	1,5	1,5	1,5	1,52	1,55	t/m ³
> 4000 µm	0	0	0	0	6,1	98,9	% screening
> 3150 µm							% screening
> 1250 µm							% screening
> 1000 µm	7,1	5,8	99,2	7,2	91,7	1,1	% screening
> 800 µm							% screening
> 630 µm	90,8	92,5	99,2	91	2	2	% screening
> 500 µm							% screening
> 315 µm							% screening
> 200 µm	2	1,7	0,8	2	2	2	% screening
> 100 µm							% screening
< 100 µm	0,1						% screening

CHEMICAL ANALYSIS (RFA) %

	ST 01/06	ST 03/08	ST 03/30	ST 05/10	ST 06/12	ST 10/40
SiO ₂	99,2	99,4	99,2	99,2	99,2	99,2
Fe ₂ O ₃	0,04	0,04	0,1	0,022	0,03	0,03

PHYSICAL CHARACTERISTICS

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

Střeleč 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 company standard or a quality agreement.