

QUARTZ SANDS M31 – M32 – M34

Technical Data

After mining, the silica sands of Mol M31, M32 and M34 are industrially processed by sieving, washing and classifying. These qualities are available moist or dried and can be supplied by truck, wagon or ship; in bulk or bagged (dried sands only). These silica sands of Mol are an excellent raw material for the glass-, crystal- and ceramic industry, for use in foundries, tile glues, plasters, mortars, coatings, etc...

GRANULOMETRIC DATA AND PHYSICAL CHARACTERISTICS

	M31	M32	M34	Method	
D50	370	265	170	%	ISO 933-01
AFS	44	52	80		
>1000µm	1			%	
>710µm	5			%	
>500µm	25	0,4		%	
>355µm	50	8	0,3	%	
>250µm	85	55	3	%	
>180µm	98	92	20	%	
>125µm			90	%	
<63µm	0,01	0,01	0,2	%	
Density	2,65	2,65	2,65	g/cm3	Pycnometer
Bulk Density	1,5	1,4	1,3	g/cm3	Scott Volumeter
Hardness	7	7	7		Mohs'scale
pH	7	7	7		ISO787/9
Loss on ignition	0,15	0,15	0,15	%	1100°C, 1 hour
Colour	L*	72	73	72	Minolta CM-3610d D65/10°
	a*	1,9	1,8	1,7	
	b*	7,5	7,5	7,1	

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CHEMICAL ANALYSIS

	M31	M32	M34		
SiO ₂	99,5	99,5	99	%	XRF
Fe ₂ O ₃	0,04	0,03	0,07	%	XRF
Al ₂ O ₃	0,2	0,2	0,6	%	XRF
TiO ₂	0,03	0,03	0,06	%	XRF
K ₂ O	0,03	0,05	0,3	%	XRF
CaO	0,01	0,01	0,02	%	XRF



SIBELCO

The above given information is based on mean values. The typical properties and chemical analyses are intended as examples and are not to be considered as substitutes for actual testing and analyses in those situations where properties and chemical compositions are critical factors. Sales and supplies will always be according to our general sales conditions.

CAS-Nr.: 14808-60-7

EINECS-Nr.: 238-878-4

SDS available on request

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