

MILLISIL® M6 - M10

Technical Data

MILLISIL® is produced by iron-free grinding and accurate sieving by means of air-separators. A selected silica sand with a SiO₂-content of over 99 % is used as raw material. The purity, controlled particle size distribution, chemical inertness, optical properties and hardness make **MILLISIL®** the performance standard in ceramics, tile-glues, special mortars, refractory material, investment casting,...

GRANULOMETRIC DATA AND PHYSICAL CHARACTERISTICS

	M6	M10		Method
control-sieve > 63 µm	14	2	%	Alpine
D10	5	4	µm	Malvern MS 2000
D50	30	23	µm	Malvern MS 2000
D90	95	60	µm	Malvern MS 2000
density	2.65	2.65	kg/dm ³	
bulk density	1	0.9	kg/dm ³	
specific surface	0.8 2450	0.9 3600	m ² /g cm ² /g	BET Blaine
oil absorption	16.5	17.5	g/100 g	
hardness	7	7	Mohs	
loss on ignition	0.12	0.12		
pH	7	7		
colour	L* a* b*	90 0.87 4.13	91 0.74 3.57	Minolta CM-3610d D65/10°
refractive index	1.55	1.55		

TDS.03.05.32 2012-06-25 1/2

CHEMICAL ANALYSIS (XRF) %

SiO ₂	99.5
Fe ₂ O ₃	0.03
Al ₂ O ₃	0.20
TiO ₂	0.03
K ₂ O	0.04
CaO	0.02



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

MSDS available on request

ed.11

TDS.03.05.32 2012-06-25 2/2