

SIBELITE® is a high-purity silica produced from cristobalite by iron-free grinding and accurate sieving by means of air-separators.

A controlled particle size distribution, the excellent optical properties, chemical inertness and low oil absorption lead to benefits in paints, plastics, etc...

GRANULOMETRIC DATA AND PHYSICAL CHARACTERISTICS

			Method
5 µm	95	% passing	Malvern MS 2000
D10	0.5	µm	Malvern MS 2000
D50	1.8	µm	Malvern MS 2000
D90	4.1	µm	Malvern MS 2000
density	2.3	kg/dm ³	
bulk density	0.38	kg/dm ³	
specific surface	8 28000	m ² /g cm ² /g	BET Blaine
oil absorption	38	g/100 g	
hardness	6.5	Mohs	
pH	9		
colour	L* 98 a* 0.01 b* 0.27		Minolta CM-3610d D65/10°
coeff. of thermal expansion range : 20-300°C	54	x 10 ⁻⁶ K ⁻¹	
refractive index	1.48		

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CHEMICAL ANALYSIS (XRF) %

SiO ₂	99.0
Fe ₂ O ₃	0.03
Al ₂ O ₃	0.75
TiO ₂	0.02
K ₂ O	0.05
CaO	0.01



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.: 14464-46-1

EINECS-Nr.: 238-455-4

MSDS available on request

ed.02

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