

58689 Cristobalite Powder, approx. 8 µm

Typical Particle Size Distribution

Upper particle size	D _{95%}	12 µm
	D _{90%}	9 µm
	D _{50%}	3.5 µm
	D _{10%}	1 µm
Particle size in µm		Cilas-Granulometer (residue in vol.-%)
12		2
8		13
6		24
4		42
2		75

Typical Physical Properties

Density (DIN ISO 787-10)	2.35 g/ml
pH Value (DIN ISO 10390)	8.5
Hardness (Mohs)	6.5
Linear coefficient of expansion α _{20-300°C} (DIN 51045)	54 * 10 ⁻⁶ * K ⁻¹

Typical Chemical Analysis (weight.-%)

SiO ₂	99
Al ₂ O ₃	0.2
Fe ₂ O ₃	0.03
CaO + MgO	0.1
Na ₂ O + K ₂ O	0.2
Loss on ignition 1000°C (DIN EN ISO 3262-7)	0.2
Humidity (DIN ISO 787-2)	0.1

Typical Properties (General)

Bulk Density (DIN 53466)		0.37 g/cm ³
Tamped bulk volume (DIN ISO 787-11)		162 ml/100 g
Spec. Surface	BET (DIN 66132)	5 m ² /g
Oil Absorption (DIN ISO 787-5)		29 g/100 g
Standard Color Value (DIN 5033)	X Y Z	93 98 105
CIELab Coordinates (DIN 5033)	L* a* b*	93 0 0

Cristobalite powder is produced from prepared raw minerals. All data are approximate values with tolerances depending on occurrences and production. They only serve as description and do not represent any warranty concerning the existence of specific characteristics. Traces of coarser particles may be possible.