

58690 Cristobalite Powder

Chemical Analysis:

SiO ₂	99.5 %
Fe ₂ O ₃	0.03 %
Al ₂ O ₃	0.20 %
K ₂ O	0.05 %
CaO	0.01 %

Physical Properties:

Density (DIN ISO 787/10)	2.35 g/cm ³
Hardness (Mohs)	6.5
pH Value (DIN 19684)	9
Linear coefficient of expansion 20°C - 300°C (DIN 51045)	54*10 ⁻⁶ K ⁻¹
Refraction Index	1.48

Specific Product Properties:

Particle Size (Malvern Laser Diffr.):	
< 160 µm	98 %
< 100 µm	90 %
< 63 µm	74 %
< 40 µm	54 %
< 20 µm	35 %
< 10 µm	23 %
< 5 µm	15 %
< 2 µm	6 %
< 1 µm	1 %
Average Particle Size (D ₅₀)	35 µm
Oil Absorption (DIN ISO 787/5)	23 g/100 g
Standard Color Value (Dr.Lange LFM 1(Y)	X 92
	Y 95
	Z 110
Bulk Density	0.9 g/cm ³
Specific Surface BET (DIN 66132)	0.7 m ² /g