

## 58692 Cristobalite Sand 0.3 – 0.9 mm

Cristobalite sand is produced from processed quartz sand by calcination. It consists of a quartz core and a cristobalite cover.

Specific properties:

- solid grain
- spherical grain shape
- white color

### Typical Particle Size Distribution

Particle size in mm	Residue in wt.-%
1.250 – 1.000	1
1.000 – 0.710	20
0.710 – 0.500	66
0.500 – 0.355	12
< 0.355	1

The particle size is analyzed with „Test sieve shaker EML 200 digital plus“ of Haver & Boecker (Sieving time: 5 min, sieving amplitude 0.3 mm).

### Typical Particle Size related Properties

Bulk Density (DIN EN ISO 60)	1.4 g/cm <sup>3</sup>
Tristimulus values (DIN 5033)	
X / D <sub>65%</sub>	67
Y / D <sub>65%</sub>	70
Z / D <sub>65%</sub>	73
L* / D <sub>65%</sub>	87
a* / D <sub>65%</sub>	0
b* / D <sub>65%</sub>	2

### Typical Physical Properties

Density (DIN ISO 787-10)	2.6 g/cm <sup>3</sup>
pH Value (DIN ISO 10390)	6.5
Hardness (Mohs)	7

### Typical Chemical Analysis

SiO <sub>2</sub>	99 wt.-%
Al <sub>2</sub> O <sub>3</sub>	0.3 wt.-%
Fe <sub>2</sub> O <sub>3</sub>	0.04 wt.-%
TiO <sub>2</sub>	0.05 wt.-%

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