



Material: Silicon Dioxide (SiO₂), bulk

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Property	Value	Conditions	Reference
Density	2187.7 kg/m ³	Stabilized SiO ₂ , Glass, at room temperature.	CRC Materials Science and Engineering Handbook, p.53
Density	2201 .. 2211 kg/m ³	Glass, at room temperature	CRC Materials Science and Engineering Handbook, p.53
Electrical resistivity	1e+18 Ω·m	Ceramic, at room temperature	CRC Materials Science and Engineering Handbook, p.568
Hardness, Knoop(KH)	710 kg/mm/mm	100g, Ceramic, parallel to optical axis	CRC Materials Science and Engineering Handbook, p.474
Hardness, Knoop(KH)	790 kg/mm/mm	100g, Ceramic, normal to optical axis	CRC Materials Science and Engineering Handbook, p.474
Hardness, Vickers(VH)	1260 kg/mm/mm	500g, Ceramic, parallel to optical axis	CRC Materials Science and Engineering Handbook, p.474
Hardness, Vickers(VH)	1103 kg/mm/mm	500g, Ceramic, normal to optical axis	CRC Materials Science and Engineering Handbook, p.474
Hardness, Vickers(VH)	1120 kg/mm/mm	500g, Ceramic	CRC Materials Science and Engineering Handbook, p.474
Thermal conductivity	1.04 W/m/K	Ceramic, at temp=200 C.	CRC Materials Science and Engineering Handbook, p.284
Thermal conductivity	1.25 W/m/K	Ceramic, at temp=400 C.	CRC Materials Science and Engineering Handbook, p.284
Thermal conductivity	1.67 W/m/K	Ceramic, at temp=800 C.	CRC Materials Science and Engineering Handbook, p.284
Thermal conductivity	2.09 W/m/K	Ceramic, at temp=1200 C.	CRC Materials Science and Engineering Handbook, p.284
Thermal conductivity	2.51 W/m/K	Ceramic, at temp=1800 C.	CRC Materials Science and Engineering Handbook, p.284
Thermal conductivity	1.38 W/m/K	Glass, at temp=20 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	0.59 W/m/K	Glass, at temp=80 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	0.67 W/m/K	Glass, at temp=100 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	0.88 W/m/K	Glass, at temp=150 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.28 W/m/K	Glass, at temp=250 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.32 W/m/K	Glass, at temp=273.1 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.36 W/m/K	Glass, at temp=300 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.43 W/m/K	Glass, at temp=360 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.5 W/m/K	Glass, at temp=400 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.62 W/m/K	Glass, at temp=500 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.72 W/m/K	Glass, at temp=600 C.	CRC Materials Science and Engineering Handbook, p.289
Thermal conductivity	1.8 W/m/K	Glass, at temp=700 C.	CRC Materials Science and Engineering Handbook, p.289

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