CFS Quartz 99,98% SiO2

Clear

PROPERTY	UNIT	VALUE
Classification as per DIN ISO	-	-
Main component	Weight - %	99,98% SiO2
Colour	-	Clear
Density	g/cm^3	2,2
Open porosity	Vol - %	0
Bending strength	MPa	>60
Compressive strength	MPa	1150
Modulus of elasticity	GPa	-
Vickers hardness	N/mm^2	>8.000
Fracture toughness	MPa $m^{1/2}$	-
Weibull modulus	-	-
Linear thermal expansion coefficient	10^{-6} K^{-1}	5,7
Thermal conductivity	W m^{-1} K^{-1}	1,4
Max. working temperature in air	°C	1100

TECHNICAL NOTES

The values were determined on test specimens and are typical for the respective material. Product attributes may vary depending on the design and production process. Other materials are available on demand.