

Steatite Ceramic Properties

Name		Steatite Ceramic
Compositon		$H_2Mg_3(SiO_3)_4$
Material Properties	Density g/cm ³	2.71
	Water Absorption %	0-0.02
Mechanical Properties	Mohs Hardness	7.5
	Flexural Strength Mpa	140
	Compressive Strength Mpa	621
Thermal Properties	Operating Temperature Max	1425
	Thermal Shock Resistance °C	190
	Thermal Conductivity W/mK	2.9
Electrical Properties	Dielectric Strength KV/mm	9.4
	Dielectric Constant ϵ	6.4

The actual value may change because shape or different environment.

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