

Cordierite Ceramic Properties

Name		Cordierite Ceramic
Compositon		$2\text{MgO} \cdot 2\text{Al}_2\text{O}_3 \cdot 5\text{SiO}_2$
Material Properties	Density g/cm ³	2.7
	Water Absorption %	0.02-3.2
Mechanical Properties	Mohs Hardness	7
	Flexural Strength Mpa	117
	Compressive Strength Mpa	350
Thermal Properties	Operating Temperature Max	1360
	Thermal Shock Resistance °C	500
	Thermal Conductivity W/mK	3
Electrical Properties	Dielectric Strength KV/mm	5.11
	Dielectric Constant ϵ	4.7

The actual value may change because shape or different environment.

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