

Alumina Ceramic Properties

Name		99 alumina ceramic	95 alumina ceramic
Compositon Al_2O_3		99%	95%
Material Properties	Density g/cm ³	3.85	3.62
	Water Absorption %	0	0
Mechanical Properties	HV Hardness	1700	1600
	Flexural Strength Mpa	350	340
	Compressive Strength Mpa	2100	2000
Thermal Properties	Operating Temperature Max	1600	1400
	Thermal Expansion $10^{-6}/^{\circ}C$	8	7.8
	Thermal Shock Resistance $^{\circ}C$	200	200
	Thermal Conductivity W/mK	29	24
Electrical Properties	Dielectric Loss Factor 10^{-4}	20	38
	Dielectric Constant ϵ	9.9	9.4

We can make according to your requirement, such as 92%, 95%, 96%, 97%, 99%, 99.5%

The actual value may change because shape or different environment.

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