

99.8% Alumina (Al₂O₃)

Performance parameters of 99.8% alumina ceramics

Mechanical properties	Unit	Alumina
Density	g/cm ³	3.93
Vickers hardness	GPa	25
Flexural strength	MPa	314
compressive strength	MPa	2556
Water absorption rate	%	0
Alumina content	%	99.8
Young's modulus	GPa	358

Thermal performance	Unit	Alumina
Thermal conductivity	W/m·K	34-39
Thermal shock resistance strength	J/m ² ·K	2700
Maximum operating temperature	°C	1765

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Electrical characteristics	Unit	Alumina
Dielectric constant	1 MHz	9.85
Dielectric strength	KV/mm	23.6
Volume resistivity	Ω·cm	> 10 ¹⁴

Note: This value is for reference only and may vary slightly depending on the batch conditions.

Jundro Ceramics is a global material manufacturer that offers a wide range of advanced materials

We produce high-quality and complex products, providing significantly enhanced performance for customers engineering.

Our comprehensive service range includes material selection, precision machining, surface treatment, and quality testing to ensure that each product can perform its best practical applications.

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