

**Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>) Data Sheet****AL<sub>2</sub>O<sub>3</sub> Properties**

Alumina Content:	95.0-99.7	%
Density:	3.7-3.9	g/cm <sup>3</sup>
Vickers Hardness(HV50):	14	Gpa
Maximum Temperature:	1650	°C
Thermal Conductivity @ 20°C:	27.5	W/mK
Dielectric Strength:	> 10	KV/mm
Volume Resistivity @ 20°C:	> 10 <sup>14</sup>	Ω.cm
Typical Colour:	Ivory	/

PS: Data in the parameter table will fluctuate, for reference only

**Applications:**

- Insulation board, wear-resistant board, insulation board,
- Ceramic tube, ceramic plunger, ceramic sleeve
- Ceramic shaft, ceramic sleeve, bearing, screw,
- Ceramic fixed knife, mechanical blade, screwdriver, ceramic pliers
- Ceramic block gauge, needle gauge, ring gauge
- Ceramic seals, ceramic water valves, ceramic valve cores
- Ceramic seal ring, ceramic bearing
- Alumina crucible, ceramic nozzle