



AVNAN offers custom shapes and sizes of ceramics. We can assist with design and development to optimize for a perfect solution.

We work with various ceramic materials. Two of the main materials we use are: 95% Al₂O₃, and Steatite.

Mechanical and Electrical Properties

PROPERTY	MATERIAL	
	Steatite	95% Al ₂ O ₃
Specific Gravity (g/cc)	≥ 2.6	≥ 3.6
Water Absorption (%)	< 0.02	0
Breaking Strength (Kg/cm ²)	≥ 1200	≥ 2800
Hardness (HRA)	≥ 75	≥ 85
Dielectric Constant	< 7.5	< 8 - 10
Dielectric Dissipation	< 8 x 10 ⁻⁴	< 4 x 10 ⁻⁴
Specific Resistivity (Ohm.cm)	> 10 ¹²	> 10 ¹³
Withstand Voltage (Kv/mm)	≥ 15	≥ 18
Max. Operating Temp Deg C	1000	1500

AVNAN is a leading innovator and OEM supplier of Controls and Electrical Assemblies. Contact us for detailed specifications or additional information on this or any other AVNAN product.