



Aluminum Oxide Ceramic Substrates Porperties		
Purity (wt%)	95%	96%
Density (g/cm ³)	>3.65	>3.75
Thermal conductivity (W/m. K)	27	24
Thermal Expansion (x10 ⁻⁶ /°C)	<7.7	<7.7
Dielectric Strength (Kv/mm)	>15	>14
Dielectric Constant (at 1MHZ)	9.2	9.8
Loss Tangent (x10 ⁻⁴ @1MHZ)	3	4
Volume Resistivity (ohm-m)	>10 ¹² at 20°C	>10 ¹³ 20°C
	>10 ⁸ at 500°C	>3x10 ⁷ at 500°C
Flexural Strength (N/mm ²)	>280	>330