



		unit	ETK96	ETK98	ETK99	
Al2O3 content		%	96	98	99.7	
Color			white	white	ivory	
Specific weight		gm / cc	> 3.75	> 3.80	> 3.85	
Water absorption		%	0	0	0	
Modulus of elasticity		GPa	300	300	375	
Bending resistance		MPa	330	345	380	
Compression resistance		MPa	2000	2200	2600	
Fracture resistance		MPa/m1/2	3.5	3.5	4	
Abrasion resistance		Kg / mm2	1100	1300	1450	
Volumetric resistivity	25°C	Ohm cm	>1014	>1015	>1015	
	300°C		>1011	>1012	>1012	
	700°C		> 108	> 109	> 109	
Electrical resistance	25°C	KV / mm	> 12	> 14	> 16	
	500°C		> 4.0	> 5.5	> 7	
	1000°C		> 0.8	> 1	> 3	
dielectric constant		at 100MHz	9.0	9.0	10.0	
specific heat	25-700°C	J / Kg°k	880	880	880	
Thermal conductivity	25°C	W / m °k	35	35	35	
	300°C		40	40	40	
	500°c		80	80	80	
	800°c		90	90	90	
coefficient thermal expansion	25-200°C	10-6 / °C	6.5	6.5	6.6	
	25-700°C		7.8	7.9	7.39	
	25-1000°C		8.25	8.35	8.4	
max temperature		°C	1500	1550	1600	
Thermal shock resistance			Good	Good	Good	