



	Units	Steatite (C220 - L3)	Steatite (C221 - L5)	Sintered Aluminium Nitride	Zirconia (Y-TZP)
Max use temperature	°C	1000	1200	1000	100*
	°F	1800	2200	1800	200*
Density	g/cm ³	2.6	2.8	3.3	6
Open porosity	%	<0.5	<0.5	<0.5	<0.5
Bending strength	MPa	130	140	200	900
Modulus of elasticity	GPa	100	100	325	200
Thermal conductivity	W/mK	2.5	2.5	170	3
Coefficient of thermal expansion	x10 ⁻⁶ /K	7	8	5.5	10
KIC Fracture Toughness	MPam ^{1/2}				9
Volume resistance	(Ω.cm)	>10 ¹¹	>10 ¹²	>10 ¹⁵	
Dielectric constant	-	5.5	6	9	
Dielectric strength	(kV/mm)	10	20		

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