



Ceramic Board Properties

Index	Unit	HP Grade (Low Density)	HP Grade (High Density)	HZ Grade
Temperature	°F	2300	2300	2600
Working Temperature	°F	2100	2100	2462
Melting Point	°F	3200	3200	3300
Color		Off White	Off White	Off White
Available Density (kg/m ³) (lbs/ft ³)		260-290 16-18	350-400 22-25	360-380 20-22
LOI	% by WT	6-7	6-7	6-7
Dielectric Strength	volts/mil	25.4	25.4	25.4
Shrinkage 24 Hrs at Temp.	% (°F)	-3 (2012)	-3 (2012)	-3 (2462)
Thermal Conductivity	w/m-k (Btu in./hr/ft ² °F)		0.095 0.154 0.200	0.092 0.143 0.185
@400	°C (°F)	0.085 (0.589)	0.085 (0.659)	0.085 (0.638)
@800	°C (°F)	0.132 (0.915)	0.132 (1.07)	0.132 (0.991)
@1000	°C (°F)	0.180 (1.25)	0.180 (1.39)	0.180 (1.28)
Tensile	Mpa	0.5(psi)	0.5(psi)	0.5(psi)
Chem Analysis				
Al ₂ O ₃		47-49	47-49	39-40
SiO ₂		50-52	50-52	42-45
ZrO ₂		--	--	15-17
Fe ₂ O ₃		0.2	0.2	0.2
Na ₂ K ₂ O		<0.5	1/4", 1/2", 1", 1.5", 2"	0.2
Sizes Available Thickness		24"x36; 24x48 1/2", 1", 1.5", 2"	24x36"; 24x48" 1/4", 12", 1", 1.5", 2"	24"x36; 24x48 1", 1.5", 2"