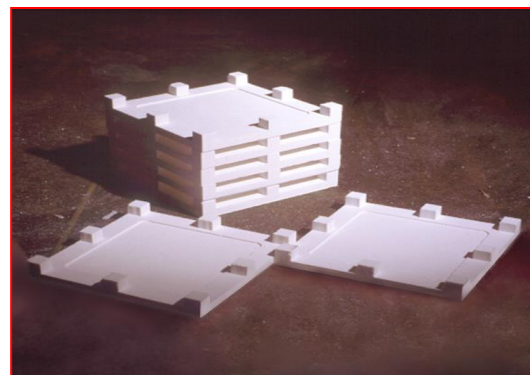


## ALTRA® KERASSETTER

### Ultra High Density Vacuum Formed Boards

ALTRA® Kerasetter machinable board products are available in formulations for service temperatures up to 1700°C. ALTRA® Kerasetter boards are available for high temperature, oxidizing environments (KVS) or high temperature, reducing environments (KVR). ALTRA® boards are formed from alumina or mullite polycrystalline fibers with appropriate inorganic and organic binders. All grades are pre-fired to 1000°C or greater, resulting in an organic free composition. Possible applications include low mass sintering setters.



Properties	Units	KVS 174/1000	KVS 174/1500	KVR 164/1002	KVR 164/1402
<b>Classification Temperature</b>	°F °C	3092 1700	3092 1800	2912 1600	2912 1600
<b>Service Temperature</b>	°F °C	3092 1700	3092 1700	2822 1550	2822 1550
<b>Density</b>	lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	62 1000	93 1500	62 1000	87 1400
<b>Linear Shrinkage</b> 24 hrs @ Temperature " + " indicates growth	%	+0.5@1600°C +0.2@1700°C 3.7@1750°C	+0.3@1600°C +0.4@1700°C 0.3@1750°C	0.0@1400°C 0.2@1500°C 0.5@1600°C	0.0@1400°C 0.1@1500°C 0.4@1600°C
<b>Thermal Conductivity</b> <i>Hot Wire Method</i>	W/mK				
400°C		0.243	0.295	0.243	0.295
600°C		0.260	0.321	0.260	0.321
800°C		0.275	0.327	0.275	0.327
1000°C		0.294	0.337	0.294	0.337
1200°C		0.314	0.340	0.314	0.340
1400°C		0.331	0.356	0.331	0.356
<b>Chemical Composition</b>	%				
Al <sub>2</sub> O <sub>3</sub>		89	89	>97	>97
SiO <sub>2</sub>		11	11	<3	<3
<b>Fiber Type</b>		Mullite	Mullite	Alumina	Alumina

**NOTE:** All Kerasetter grades are available in board form up to 20mm thick or CNC machined to customer print.

The test data shown are based on average results on production samples and are subject to normal variation on individual tests. The test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.