

Properties	Units	KVS 121	KVS 124	KVS 141	KVS 144	KVS 161	KVS 164	KVS 164/302	KVS 174/400	KVS 184/400
Classification Temperature	°F	2300	2300	2600	2600	3000	3000	3000	3092	3272
	°C	1260	1260	1430	1430	1650	1650	1650	1700	1800
Service Temperature	°F	2012	2012	2372	2372	2732	2732	2912	3092	3272
	°C	1100	1100	1300	1300	1500	1500	1600	1700	1800
Density	lbs/ft ³ (kg/m ³)	18 (300)	18 (300)	18 (300)	18 (300)	18 (300)	18 (300)	18 (300)	25 (400)	25 (400)
Organic Content	Wt%	4	0	4	0	4	0	0	0	0
Linear Shrinkage 24 hrs @ Temperature *+ indicates growth	%	3% @ 1100°C	2% @ 1100°C	3.7% @ 1250°C	2% @ 1250°C	2% @ 1500°C	1% @ 1500°C	+0.5% @ 1500°C	+0.2 @ 1600°C	0.1% @ 1700°C
Chemical Composition Al ₂ O ₃ SiO ₂	%	50 49	50 49	55 44	55 44	65 34	65 34	78 22	81 19	80 20
	BTUin/hrft ² °F (W/mK)	0.62(0.09) 0.83(0.12) 1.04(0.15) 1.32(0.19) 1.73(0.25) 2.36(0.34)	0.62(0.09) 0.83(0.12) 1.04(0.15) 1.32(0.19) 1.73(0.25) 2.36(0.34)	0.62(0.09) 0.83(0.12) 1.04(0.15) 1.32(0.19) 1.66(0.24) 2.15(0.31)	0.62(0.09) 0.83(0.12) 1.04(0.15) 1.32(0.19) 1.66(0.24) 2.15(0.31)	1.18(0.17) 1.25(0.18) 1.39(0.20) 1.80(0.26) 2.36(0.34) 3.05(0.44)	1.18(0.17) 1.25(0.18) 1.39(0.20) 1.80(0.26) 2.36(0.34) 3.05(0.44)	1.18(0.17) 1.25(0.18) 1.39(0.20) 1.80(0.26) 2.36(0.34) 3.05(0.44)	0.76(0.11) 0.97(0.14) 1.25(0.18) 1.59(0.23) 1.94(0.28) 2.36(0.34)	0.97(0.14) 1.18(0.17) 1.39(0.20) 1.66(0.24) 1.94(0.28) 2.43(0.35)

△ All ALTRA® grades are available in boards, tubes and other vacuum formed shapes