

KRICON 32-70

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1760°C)

BULK DENSITY

@ 110°C	161 - 171	LBS/FT ³	2580 - 2740	KG/M ³
@ 815°C	170 - 174	LBS/FT ³	2725 - 2790	KG/M ³
@ 1093°C	170 - 174	LBS/FT ³	2725 - 2790	KG/M ³
@ 1600°C	168 - 172	LBS/FT ³	2690 - 2760	KG/M

COLD CRUSHING STRENGTH

@ 110°C	7000 - 13000	P.S.I.	483 - 896	KG/CM ²
@ 815°C	8000 - 16000	P.S.I.	552 - 1100	KG/CM ²
@ 1093°C	10000 - 16000	P.S.I.	690 - 1100	KG/CM ²
@ 1600°C	6000 - 11000	P.S.I.	413 - 758	KG/CM

COLD MODULUS OF RUPTURE

@ 110°C	1800 - 2600	P.S.I.	124 - 179	KG/CM ²
@ 815°C	1400 - 2200	P.S.I.	97 - 152	KG/CM ²
@ 1600°C	1200 - 2000	P.S.I.	83 - 138	KG/CM ²

PERMANENT LINEAR CHANGE

@ 110°C	0.0 TO	- 0.1 %
@ 815°C	-0.1 TO	- 0.3 %
@ 1093°C	-0.2 TO	- 0.4 %
@ 1600°C	+0.7 TO	+ 1.7 %

EROSION LOSS (ASTM C-704)

@ 110°C	4 - 7 %
@ 815°C	4 - 7 %

APPARENT POROSITY

@ 110°C	9 - 11 %
@ 815°C	16 - 18 %
@ 1600°C	17 - 19 %

TYPICAL WATER TO VIBROCAST 5.0 - 6.0 % BY WT.

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
77.0	18.2	1.0	1.2	0.2	2.2	0.2

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