

GEMINITE VACUUM CAST BOARDS & SHAPES

L – SERIES

PHYSICAL PROPERTIES

COLOUR	BEIGE
NOMINAL DENSITY	17 pcf
MAX TEMP RATING	2300°F
CONTINUOUS USE LIMIT	2000°F
MELTING POINT	3200°F
MODULUS OF RUPTURE	100-130 psi
COMPRESSIVE STRENGTH	
@ 5% DEFORMATION	20-30 psi
@ 10% DEFORMATION	25-40 psi
LINEAR SHRINKAGE	
24HRS @ 1500°F	1.2%
24HRS @ 1800°F	2.2%
24HRS @ 2000°F	2.8%
24HRS @ 2200°F	-----
24HRS @ 2400°F	-----

CHEMICAL ANALYSIS

SILICA, SiO ₂	56
ALUMINA, Al ₂ O ₃	42
CALCIUM OXIDE CaO	---
OTHER	2
LOSS OF IGNITION	4-7
ORGANIC MATERIAL	3-6

THERMAL CONDUCTIVITY ASTM 201

(BTU-IN/HRS-FT²-°F)

MEAN TEMPERATURE	
@ 500°F	0.47
@ 1000°F	0.71
@ 1500°F	1.04
@ 2000°F	1.52

NOTE: DURING THE INITIAL HEAT-UP OF CERAMIC BOARDS AND SHAPES, A SMALL AMOUNT OF ORGANIC BINDER WILL START TO BURN OUT AT APPROXIMATELY 450°F (232°C). ONCE THIS MATERIAL HAS BURNED OFF, THERE WILL BE NO FURTHER 'OFF GASSING'. CAUTION SHOULD BE EXERCISED DURING THIS PERIOD.