



RENO REFRACTORIES, INC

RENO LITE CAST 24-60

TECHNICAL DATA SHEET

RENO LITE CAST 24-60 is a 2400°F insulating castable designed to be strong for its light weight.

RENO LITE CAST 24-60 characteristics are volume stability, low thermal conductivity, and low iron content which allows this material to be considered as a general purpose insulating castable suitable for a variety of furnace atmospheres.

SERVICE TEMPERATURE: 2450°F
MATERIAL REQUIRED FOR ESTIMATING: 57-62 lbs/cf
CASTING WATER: 35 - 40%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
48.4	37.4	0.7	0.8	0.3	7.6	1.7	3.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Bulk Density lbs/ft ³	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	"K" Factor Btu-in/hr-ft ² °F
250	62	270	570	-0.1	600°F – 2.78
1500	59	100	420	-0.3	1000°F – 2.81
2000	58	90	600	-0.1	1200°F – 2.83
2400	56	340	320	+0.3	1400°F – 2.85

Coefficient of Thermal Expansion: 4.06x10⁻⁶ in/in/°F

PACKAGING: 50 lb. Bags, 40 per Pallet (2000 lbs.)

135500 – 3/4/09

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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