



RENO REFRACTORIES, INC

RENO CAST HI-SIC LC

TECHNICAL DATA SHEET

RENO CAST HI-SIC LC is a very pure low cement castable containing a high percentage of silicon carbide. Abrasion resistance, very high strengths and thermal shock resistance are attributes that allow **RENO CAST HI-SIC LC** to withstand harsh service conditions.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 162 lbs./cu. ft.
CASTING WATER: 5 - 5.5%

TYPICAL CHEMICAL ANALYSIS (Reducing Conditions)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SIC	Alkalies	Other
19.8	7.4	0.3	Nil	2.0	69.6	0.1	1.1

TYPICAL PHYSICAL PROPERTIES (Reducing conditions above 250°F.)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,200	8,930	Nil
1500	4,070	11,600	-0.2
2000	2,900	6,330	-0.3
2500	2,890	7,650	-0.1

APP. POROSITY AFTER 1500°F: 12.6%

PACKAGING: 55 lb. Bags, 72 per Pallet (3,960 lbs.)

166900 – 10/9/09

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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