



RENO REFRACTORIES, INC

RENO CAST 70 LC

TECHNICAL DATA SHEET

RENO CAST 70 LC is a high alumina, high strength, extremely abrasion resistant, low cement castable with an excellent vibrating and casting body. Its high density and low porosity allows it to resist the attack of metal and slags.

SERVICE TEMPERATURE:	3100°F
MATERIAL REQUIRED FOR ESTIMATING:	160 lbs/cf
CASTING WATER:	approx. 6%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	Mgo	Cao	Alkalies	Other
70.2	24.1	1.0	2.2	0.1	2.1	0.3	Nil

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,000	5,750	Nil
1500	2,022	8,300	-0.2
2000	2,200	10,800	-0.2
2500	1,600	6,000	+1.2
2,750	3,000	12,550	+0.8

ABRASION LOSS After 1500°F:	<4.7 cc
APP. POROSITY After 1500°F:	15.3%
APP. POROSITY After 2759°F:	16.4%

HOT MODULUS OF RUPTURE, 2500 °F: 1,171 psi

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)

153300 – 10/13/09

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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