



RENO REFRACTORIES, INC

RENO CAST 60 LC

TECHNICAL DATA SHEET

**RENO CAST 60 LC** is a low cement, low moisture, mullite based castable, that provides high strength, low porosity and high abrasion resistance. It has a heavy body feel but yet is easy to cast into place.

**SERVICE TEMPERATURE:** 3100°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 153 lbs./cu. ft.  
**CASTING WATER:** approx. 6%

**TYPICAL CHEMICAL ANALYSIS** (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Alkalies
57 – 60	34 – 37	<1.0	<0.2	1.7 – 2.0	<0.2

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Hot MOR psi
250	2,500 – 3,000	9,000 – 10,200	Nil	---
1500	2,448 – 2,678	9,500 – 10,600	-0.3	3,700
2000	3,000 – 3,500	10,200 – 11,400	-0.5	3,700
2500	3,000 – 3,500	10,800 – 12,000	+0.9	---
2750	3,750	10,250 – 12,900	+1.0	660

**ABRASION LOSS AFTER 1500°F:** 3-4 cc

**APPARENT POROSITY AFTER 1500°F:** 15.2%  
**APPARENT POROSITY AFTER 2750°F:** 15.6%

**PACKAGING:** 55 lb. Bags, 72 per Pallet (3,960 lbs.)  
2000 lb. bulk bags, 2 per pallet (4,000 lbs.)

146300 – 10/19/09

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.

Reno Refractories, PO Box 201, Morris, Alabama 35116  
205.647.0240 | Toll Free 1.800.741.7366