



RENO REFRACTORIES, INC

RENO CAST 60 LC AL

TECHNICAL DATA SHEET

RENO CAST 60 LC AL is a mullite based, low cement, high alumina castable. It was designed for use in molten aluminum contact areas where high strengths, excellent abrasion resistance, volume stability and non wetting by the molten metal is required.

SERVICE TEMPERATURE: 3000°F  
MATERIAL REQUIRED FOR ESTIMATING: 158 lbs/cf  
CASTING WATER: 5-6%

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>	TiO <sub>2</sub>	MgO	CaO	P <sub>2</sub> O <sub>5</sub>	Alkalies	Other
60 – 62	29 – 30	0.8	1.6	0.1	1.6	0.1	0.2	3 - 5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2,330	8,700	Nil
1500	2,825	8,300	-0.1
2000	2,886	9,400	-0.4

APP. POROSITY, AFTER 1500 °F: 11-12%  
HOT MOR at 1500 °F: 3,300 psi

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

146400 – 8/28/09

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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