



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### CLAYBURN CAST 70 LC

CLAYBURN 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:** 164 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>	TiO <sub>2</sub>	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	1000	5,750	Nil
1500	1400	6,300	-0.2
2000	2200	10,800	-0.2
2500	1600	6,000	+1.2
3000	1900	10,000	+1.2

**ABRASION LOSS:** 4.7 cc After 1500°F

**APP. POROSITY:** 12.7% After 1500°F

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The data 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 specifications.