



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 60 LC

CLAYBURN 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 ₂ O ₃	SiO ₂	Fe ₂ O ₃	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 %
250	2500-3000	9,000-10,200	Nil
1500	2500-3000	11,400-12,600	-0.3
2000	3000-3500	10,200-11,400	-0.5
2500	3000-3500	10,800-12,000	+0.9
3000	3500-4000	13,800-15,000	+0.2

ABRASION LOSS: 3.6 cc After 1500°F (pumped)

APP. POROSITY: 11.2% After 1500°F

HOT MOR: at 1500°F - 3700 psi
at 2000°F - 3700 psi

146320 – 11/22/01

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.