



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 80 LC

CLAYBURN CAST 80 LC is a high alumina castable using the high strength, high thermal shock resistant, low cement technology. It is very dense, and has superb abrasion resistance. This heavy bodied castable has excellent flow for easy installation.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs./cu. ft.
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
77.7	15.7	1.2	2.7	0.1	2.1	0.3	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2350	7,400	Nil
1500	2200	8,200	-0.1
2000	3150	11,500	-0.2
2500	1600	7,000	+1.6
3000	2000	8,200	+0.7

ABRASION LOSS: 3.4 cc After 1500°F

APP. POROSITY: 14.3% 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.