



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 70 CLC

CLAYBURN CAST 70 CLC is a high alumina, low cement, low moisture, mullite based castable that provides high strength, low porosity and high abrasion resistance. CLAYBURN CAST 70 CLC is ideal for metal and slag contact applications.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 160 lbs./cu. ft.
CASTING WATER: approx. 5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
68.6	25.6	1.0	2.1	0.1	2.0	0.2	.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2830	8,000	-0.1
1500	2320	9,700	-0.2
2000	2330	8,300	-0.2
2500	2370	9,900	-0.3
3000	2710	10,000	-0.3

ABRASION LOSS: 6.3 cc After 1500°F

153920 - 05/13/02

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.