



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 95 UL

CLAYBURN CAST 95 UL is a high alumina, volume stable, low cement castable. It demonstrates high hot strengths and density to resist abrasion and erosion at elevated temperatures. Low porosity reduces penetration and reaction by molten metal and slags. CLAYBURN CAST 95 UL is ideal for use in a variety of iron, steel, cement and lime applications.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 186 lbs./cu. ft.
CASTING WATER: 3.5 - 4%

TYPICAL CHEMICAL ANALYSIS
 (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
92.8	6.0	Nil	Nil	Nil	0.7	0.2	0.3

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2940	12,000	Nil
1500	6050	18,300	-0.2
2000	7280	23,000	-0.4
2500	7390	13,900	-0.7
3000	6210	19,800	-0.2

ABRASION after 1500°F -- 2.0 cc loss
2500°F -- 2.4 cc loss

HOT MODULUS OF RUPTURE @ 1500°F - 4750 psi
@ 2500°F - 1584 psi

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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.