



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 92 UL

CLAYBURN CAST 92 UL is a high alumina, low moisture, ultra 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.

SERVICE TEMPERATURE:	3100°F
MATERIAL REQUIRED FOR ESTIMATING:	201 lbs./cu. ft.
CASTING WATER:	3.25% by weight

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	CaO	Alkalies
90 - 95	3.5 – 5.0	<0.25	Nil	<1.0	Nil

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Apparent Porosity, %
250	2500 - 2750	10,000 – 13,000	7.5 – 10.0
1500	3400 - 3650	>15,000	9.0 – 11.0
2000	5250 - 5500	>15,000	9.0 – 11.0
2500	6750 - 7000	>15,000	12.0 – 14.0

Abrasion Loss after 1500°F:	5.0 – 6.0 cc
Hot MOR at 1500°F:	5200 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.