CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST 95 LCT

CLAYBURN CAST 95 LCT is an extra high alumina, low cement castable with physical and chemical properties that are superior to conventional castables of similar alumina content. It displays high density and strength, low porosity and abrasion resistance. It can easily be installed by vibration casting, pumping, or as a self flow castable.

SERVICE TEMPERATURE:	3200°F
MATERIAL REQUIRED FOR ESTIMATING:	190 lbs./cu. ft.
VIBRA CASTING WATER:	3.6 – 3.9 %
PUMPING / SELF FLOW WATER:	4.0 – 4.25 %

TYPICAL CHEMICAL ANALYSIS
(Calcined Basis)

Al_2O_3	SiO_2	Fe_2O_3	TiO_2	MgO	CaO	Alkalies	Other
92-93	6	0.1	Nil	Nil	1.0	0.2	0.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	MOR psi	CCS psi	Linear Change, %	"K" Factor BTU in/hr/ft²/°F
250	3100	10,700	Nil	450°F – 17.8
1500	4700	11,100	Nil	1200°F – 18.3
2000	5000	24,000	-0.6	1850°F – 18.2
2500	6300	28,300	-0.6	2221°F – 18.0
3000	5100	22,100	-0.9	

ABRASION LOSS: 3.7 cc After 1500°F

APP. POROSITY: 8.9% 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.