



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN CAST SF 90 LC

CLAYBURN CAST SF 90 LC is a high alumina, high strength, extremely abrasion resistant, low cement castable that can be installed without vibration. Its high density and low porosity allows it to resist the attack of metal and slags.

SERVICE TEMPERATURE:	3100°F
MATERIAL REQUIRED FOR ESTIMATING:	177 lbs./cu. ft.
CASTING WATER (self flow):	4.5-5.0%
CASTING WATER (vibration):	4.3-4.7%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
87.2	10	0.3	0.7	0.1	1.2	0.2	Nil

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1890	11,270	Nil
1500	4460	11,730	-0.2
2000	5617	12,160	-0.5
2500	5450	12,310	-0.2

Abrasion Loss (5.0% water): 1.2 cc after 1500°F

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The data presented 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 specification purposes.