



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### CLAYBURN CAST 60 SIC LC

CLAYBURN CAST 60 SIC LC is a very pure low cement castable containing a high percentage of silicon carbide. Abrasion resistance, very high strengths and thermal shock resistance are attributes that allow CLAYBURN CAST 60 SIC LC to withstand harsh service conditions.

**SERVICE TEMPERATURE:** 3000<sup>o</sup>F  
**MATERIAL REQUIRED FOR ESTIMATING:** 163 lbs./cu. ft.  
**CASTING WATER:** 5 – 5.5%

### TYPICAL CHEMICAL ANALYSIS (Reducing Conditions)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	SiC	Alkalies	Other
23.4	13.7	0.3	Nil	2.0	59.6	0.1	1.1

### TYPICAL PHYSICAL PROPERTIES (Reducing Conditions Above 250<sup>o</sup>F)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	2200	8,930	Nil
1500	4070	11,600	-0.2
2000	2900	6,330	-0.3
2500	2890	7,650	-0.1

**APP. POROSITY:** 12.6% After 1500<sup>o</sup>F

166920 – 11/13/95

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.