



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### CLAYBURN CAST TM

CLAYBURN CAST TM is a 70% alumina class low cement castable containing carbon and silicon carbide. It was designed to resist the attack of metal and slags in blast furnace troughs, runners and tapholes.

<b>SERVICE TEMPERATURE:</b>	3100°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	175 lbs./cu. ft.
<b>CASTING WATER:</b>	5-5.5%

### TYPICAL CHEMICAL ANALYSIS

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	C	Alk.	Other
71	6.8	0.6	1.6	1-2	17-18	1-2	0.1	0.2

### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
1500 *	2365	9,800	-0.1
2500 *	1542	7,300	-0.2

\* (fired in a reducing atmosphere)

HOT MOR at 2500°F --- 600-700 psi

168220 - 12/19/00

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.