



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### CLAYBURN CAST 70 X

CLAYBURN CAST 70 X is a mullite-silicon carbide, ultralow cement castable, demonstrating high strengths and density to resist abrasion and erosion. The low porosity and silicon carbide level reduces reaction by molten metal and slags. CLAYBURN CAST 70 X is ideal for use in ladles and troughs.

<b>SERVICE TEMPERATURE:</b>	3000°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	157 lbs./cu. ft.
<b>CASTING WATER:</b>	5.25-5.5% by weight

### TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

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
53.3	21.2	0.8	1.5	1.4	20.6

### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1622	8771	---
1500	1881	9479	-0.11
2500	2935	11300	-0.26

**HOT MOR @ 2500°F:** 900 psi

20 - 09/13/02

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.