



**CLAYBURN INDUSTRIES LTD.**

33765 PINE STREET  
ABBOTSFORD, BC  
CANADA V2S 5C1  
PHONE: (604) 859-5288  
FAX: (604) 859-0424

TECHNICAL DATA

**CLAYBURN GUN HI SIC**

CLAYBURN GUN HI SIC is a gunning castable containing a very high percentage of silicon carbide and an effective oxidation inhibitor. It was developed specifically to gun the melt zone in high production cupolas. CLAYBURN GUN HI SIC has excellent gunning characteristics.

**Service Temperature:** 3100° F  
**Material Required For Estimating:** 150 lbs./cu. ft.  
**Water Required:** Add at Nozzle

**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>	MgO	CaO	SiC	Alkalies	Other
8.9	9.6	0.2	0.1	0.1	1.6	79.5	0.1	0.5

**Typical Physical Properties**  
(Reducing conditions above 250°F.)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	870	1,700	-0.1
1500	580	1,870	-0.4
2000	1100	3,420	-0.3
2500	2100	4,830	Nil

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**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**