



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN GUN 50 SIC

CLAYBURN GUN 50 SIC is a gunning castable containing a high percentage of silicon carbide and an effective oxidation inhibitor. The high strength, abrasion resistance, and mineralogy makes CLAYBURN GUN 50 SIC ideal for lime and cement kilns, as well as cupola melt zones.

SERVICE TEMPERATURE:	3100°F
MATERIAL REQUIRED FOR ESTIMATING:	150 lbs./cu. ft.
WATER REQUIRED:	Add at Nozzle

TYPICAL CHEMICAL ANALYSIS (Reducing Conditions)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	CaO	SiC
42.0-45.0	7.0-10.0	<0.5	<0.1	1.5-3.0	42.0-45.0

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	800 - 1200	2500 - 3600	-0.1
1500	700 - 1100	2100 - 3300	-0.4
2000	1000 - 1500	3000 - 4500	-0.3
2500	2000 - 2500	7000 - 9000	Nil

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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.