



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN ROCK BTW

CLAYBURN ROCK BTW is a very strong resin bonded plastic, containing silicon carbide and carbon. It was specifically developed to withstand the corrosive and erosion conditions in the breast, taphole, trough and well in today's high production cupolas. **CLAYBURN ROCK BTW** contains a state of the art oxidation inhibitor.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 188 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS
(Reducing Conditions)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	SiC+C	Alk.	Other
63.6	6.1	0.3	1.1	Nil	22.8	0.1	6.0

TYPICAL PHYSICAL PROPERTIES
(Reducing conditions above 250°F)

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	3000	3,750	-0.5
1500	560	1,480	-0.7
2000	640	1,550	-0.4
2500	1130	3,400	-0.4

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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.