



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### CLAYBURN CAST FS

CLAYBURN CAST FS is a fused silica based conventional castable. It demonstrates good workability for ease of installation. CLAYBURN CAST FS is ideal in applications where extreme temperature fluctuations occur.

<b>SERVICE TEMPERATURE:</b>	2500°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	122 lbs./cu. ft.
<b>CASTING WATER:</b>	12.5-13.5%

### 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>	MgO	CaO	Alkalies	Other
44.6	48.5	0.4	0.7	0.2	5.5	0.1	Nil

### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	860	2,320	Nil
1500	250	1,380	Nil
2000	350	1,790	+0.4
2500	310	1,720	+2.1

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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.