



**CLAYBURN INDUSTRIES LTD.**

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

## TECHNICAL DATA

### CLAYBURN PLASTIC 70 AS

CLAYBURN PLASTIC 70 AS is a high alumina, air setting plastic with excellent resistance to thermal and mechanical shock. It is ideal for use where conditions are too severe for super duty plastics. CLAYBURN PLASTIC 70 AS when dry, develops strength throughout the entire thickness, regardless of the operating temperature.

**SERVICE TEMPERATURE:** 3100°F

**MATERIAL REQUIRED FOR ESTIMATING:** 160 lbs./cu. ft.

### 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
69.5	26	1.2	2.5	0.2	0.2	0.3	0.3

### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	250-350	600-800	-0.6
1500	200-300	500-600	-0.9
2000	350-450	1,200-1,450	+1.0
3000	600-750	1,950-2,250	+1.5

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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.