



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### CLAYBURN PLASTIC 90 AS

CLAYBURN PLASTIC 90 AS is an extra high alumina, air setting plastic with excellent resistance to thermal and mechanical shock. It is ideal for use where very high refractoriness is required. CLAYBURN PLASTIC 90 AS when dry, develops strength throughout the entire thickness, regardless of the operating temperature.

**SERVICE TEMPERATURE:** 3100°F

**MATERIAL REQUIRED FOR ESTIMATING:** 189 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
91.3	6.6	0.6	1.0	0.1	0.1	0.3	Nil

### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	690	1,515	-1.0
1500	740	2,170	-1.1
2000	1510	3,550	-1.1
2500	1490	3,700	-1.0
3000	1310	3,170	-2.4

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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.