



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN PLASTIC 80 AS

CLAYBURN PLASTIC 80 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 80 AS when dry, develops strength throughout the entire thickness, regardless of the operating temperature.

SERVICE TEMPERATURE: 3100°F

MATERIAL REQUIRED FOR ESTIMATING: 175 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
82.4	12.2	1.4	2.8	0.2	0.2	0.4	0.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	250-350	600-800	-0.3
1500	200-300	500-600	-0.3
2000	350-450	1,200-1,450	-0.3
3000	600-750	1,950-2,250	-0.7

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