



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN PLASTIC 90 P/AL

CLAYBURN PLASTIC 90 P/AL is a high purity, extra high alumina, phosphate bonded plastic refractory developed for aluminum contact applications. It exhibits high hot strengths, very high density and volume stability. The properties of CLAYBURN PLASTIC 90 P/AL lend it appropriate for severe applications.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 198 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	P ₂ O ₅	Alk.	Other
89.9	4.6	0.1	Nil	0.1	0.1	2.8	0.4	2.0

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
600	990	2,890	-0.3
1500	1840	2,770	-0.2
2000	1630	3,650	-0.4
2500	1565	4,230	-0.2
3000	1875	-	-0.4