



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN PLASTIC 90 P

CLAYBURN PLASTIC 90 P is a high purity, extra high alumina, phosphate bonded plastic refractory. It exhibits excellent hot strengths, high density and volume stability. Its properties lend it appropriate for severe applications involving molten metal and slag.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 180 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	Other
90.2	4.9	0.1	0.3	0.1	0.6	3.7	0.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1200-1600	3,800-4,200	-0.1
1500	2000-2400	6,300-6,800	-0.2
2000	3000-3500	9,400-9,800	-0.2
2500	4500-5900	12,500-13,000	-0.2
3000	2400-2800	7,200-7,800	-0.1

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10/08/06

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.