



CLAYBURN INDUSTRIES LTD.

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

TECHNICAL DATA

CLAYBURN PL 90 P

CLAYBURN PL 90 P is a high purity, extra high alumina, and 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: 3300°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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**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE
SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**