



TECHNICAL DATA SHEET

PL 70 P CRM is a high alumina, phosphate bonded, plastic refractory that contains chromic oxide. This material has a high service temperature.

PL 70 P CRM has high density and low porosity characteristics, and the chrome addition reduces metal penetration and the effects of corrosive slags. It resists spalling and has good workability.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 170 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	Cr ₂ O ₃
66	24	1.0	1.7	0.1	0.1	2.7	4 - 5

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	650	1,050	-0.1
1500	750	2,100	-0.1
2000	1,150	3,525	-0.2
2500	1,850	5,500	+0.2

PACKAGING: 55 lb. Boxes, 60 per Pallet (3300 lbs.)

242900 – 9/5/09

The data presented 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 specification purposes.