



TECHNICAL DATA SHEET

PL 349 CRM is a high alumina-chromic oxide, phosphate bonded plastic. It has exceptional resistance to metal penetration and the corrosive effect of slags. This good workability plastic, with its high density and low permeability, resists structural spalling.

SERVICE TEMPERATURE: 3400°F
MATERIAL REQUIRED FOR ESTIMATING: 200 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	Alkalies
83.7	3.7	0.2	Nil	0.1	Nil	3.3	8.7	0.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	870	1,530	Nil
1500	1,570	3,180	-0.1
2000	2,260	4,930	Nil
2500	2,690	5,130	-0.1
3000	3,590	6,450	-0.5

PACKAGING: 55 lb. Boxes, 60 per Pallet (3300 lbs.)
50 lb. Bags, 80 per Pallet 4000 lbs.)

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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.