



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN PLASTIC 85P

CLAYBURN PLASTIC 85 P is a high purity, extra high alumina, and chemically bonded plastic refractory. It exhibits high hot strengths and abrasion resistance. The inherent high density and low porosity of CLAYBURN PLASTIC 85 P reduces metal penetration and the effects of corrosive slags.

SERVICE TEMPERATURE: 3100°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	Alk.
84-85	8-9	0.8	2.1	0.2	0.2	3.3	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
600	1300-1500	4200-4800	-0.4 to -0.8
1500	1650-1850	4900-7000	-0.2
2000	1300-1700	6600-7625	-0.1
2500	1260-1900	8000-8300	-0.2

ABRASION LOSS after 1500°F <7 cc

233620 – 10/13/07

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.