



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN PL 45 P

CLAYBURN PL 45 P is a phosphate bonded 50 percent alumina plastic. It exhibits good workability and with increased strength, refractoriness, and resistance to slag attack, it is an economical method to increase refractory life, over super duty plastics.

SERVICE TEMPERATURE: 3000°F
MATERIAL REQUIRED FOR ESTIMATING: 152 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	P ₂ O ₅
48.5 - 51.5	42.0 - 46.0	<0.1	<0.5	3.0 - 5.0

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
600	450	1,400	Nil
1500	450	1,850	Nil
2000	750	2,625	Nil
2500	750	N/A	+0.7
3000	2035	N/A	-0.9

221520 - 4/13/02

**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE
SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**