



TECHNICAL DATA SHEET

PT 90 P is a high purity, phosphate bonded, extra high alumina plaster refractory. It has high strength and excellent workability.

PT 90 P is particularly well suited for prolonging the life of existing refractories, especially in severe metal contact areas.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 184 lbs./cu. ft.
WATER REQUIRED: Use as received

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	MgO	CaO	P ₂ O ₅
87 – 90	5 – 5.6	<1.0	<0.2	<0.1	3.2 – 3.8

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
600	1,100 – 1,300	2,100 – 3,100	-0.1
1500	1,850 – 2,050	5,000 – 6,000	Nil
2000	2,300 – 2,500	7,000 – 8,000	-0.1
2500	2,700 – 2,900	7,000 – 8,000	-0.6

PACKAGING: 60lb. Pails, 48 per Pallet (2,800 lbs.)

426900 – 12/13/05

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.