



RENO REFRACTORIES, INC

RENO PLASTIC 90 P

TECHNICAL DATA SHEET

**Reno Plastic 90 P** is a high purity, extra high alumina, phosphate bonded plastic refractory. It exhibits excellent hot strengths, high density and volume stability. Its properties lend it appropriate for severe applications involving molten metal and slag.

**SERVICE TEMPERATURE:** 3200°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 180 lbs./cu. ft.

**TYPICAL CHEMICAL ANALYSIS** (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	P <sub>2</sub> O <sub>5</sub>	Other
90.2	4.9	0.1	0.3	0.1	0.6	3.7	0.1

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,200 – 1,600	3,800 – 4,200	-0.1
1500	2,000 – 2,400	6,300 – 6,800	-0.2
2000	3,000 – 3,500	9,400 – 9,800	-0.2
2500	4,500 – 5,900	12,500 – 13,000	-0.2
3000	2,400 – 2,800	7,200 – 7,800	-0.1

**PACKAGING:** 55 lb. Boxes, 60 per Pallet (3,300 lbs.)

237600 – 10/8/06

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.

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