



TECHNICAL DATA SHEET

RENO PL 70 P is a high alumina, phosphate bonded, fine grained plastic refractory. The high density and low porosity reduces metal penetration. This material performs very well at high temperatures. It is phosphate bonded and only needs to be fired to 250 F to set and develop good strengths. Thermal cracking is reduced by the positive expansion when heated at high temperatures.

RENO PL 70 P is an ideal plastic material for use in iron runners where forms are used. This material is easily installed with floor or hand held rammers. Also good workability and resists spalling. This is ideal material for patching and repairing tundish, ladles of all sizes, and cupola runners.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 165 lbs/cf

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	P ₂ O ₅	Other
70.4	23.8	1.0	1.7	0.1	0.1	2.7	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	"K" Factor Btu-in/hr-ft ² -°F
250	750	5,020	-0.1	10.80
1500	860	6,271	-0.1	10.22
2000	1,150	7,725	-0.2	9.23
2500	1,850	8,900	+0.2	9.20

ABRASION LOSS AFTER 1500°F: 6cc

PACKAGING: 55 lb. Boxes, 60 per Pallet (3300 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.