



TECHNICAL DATA SHEET

RM 70 PV is a high alumina, phosphate bonded, vibratable ramming mix ready to install as received. It displays high hot strengths and refractoriness with low porosity. This gives good resistance to metal penetration. Vibrating gives a lamination free lining.

RM 70 PV has very good positive expansion that is one of its characteristics that allows this product to be used in wide variety applications.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 175 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	P ₂ O ₅	Alkalies
67.5 – 70.0	20.5 – 25.0	<1.2	2.0 – 2.5	2.5 – 5.0	<0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
600	1,150 – 1,350	2,500 – 3,500	-0.1
1500	650 – 850	3,000 – 4,000	Nil
2000	1,000 – 1,200	4,000 – 5,000	+0.1
2500	1,450 – 1,650	6,000 – 7,000	+1.0
3000	2,500 – 2,750	7,000 – 8,000	+2.3

PACKAGING: 2500 lb. Bags, 1 per Pallet (2500 lbs.)
2000 lb. Bags, 1 per Pallet (2000 lbs.)
1400 lb. Bags, 1 per Pallet (1400 lbs.)
1000 lb. Bags, 1 per Pallet (1000 lbs.)

330000 – 5/11/02

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.