



TECHNICAL DATA SHEET

RM 50 PV is a high alumina, phosphate bonded vibratable ram. Ready to install as received, it exhibits high hot strengths throughout the temperature range. A lamination free lining along with its high density help resist metal and slag penetration. Also has positive thermal expansion at high temperatures.

SERVICE TEMPERATURE: 3050°F
MATERIAL REQUIRED FOR ESTIMATING: 155 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	P ₂ O ₅	Other
51.0	43.5	0.8	1.5	0.1	Nil	3.0	0.1

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
500	750 – 850	2,300 – 2,600	-0.2
2000	1,700 – 2,000	5,500 – 6,200	+0.7
2500	2,500 – 2,850	7,500 – 9,000	+1.8
3000	2,200 – 2,550	7,000 – 7,600	+0.5

PACKAGING: 1400 lb. bulk bag, 1 per pallet (1400 lbs)
1200 lb. bulk bag, 1 per pallet (1200 lbs)
900 lb. bulk bag, & 1400 lb. bag (2300 lbs.)

322000 – 9/25/01

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.