

MILBRO REFRACTORIES, INC.

MILRAM 85 PB

A high alumina, chemically bonded ramming mix. High hot strengths throughout the temperature range. Excellent resistance to metal and slag penetration. Can be rammed to high density and low porosity.

Service Temperature	3250° F
Melting Point	3375° F
Material Required for Estimating	180 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	85.1
SiO ₂	6.0
Fe ₂ O ₃	2.1
TiO ₂	2.2
MgO	0.3
CaO	0.2
P ₂ O ₅	3.9

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	700-900	2300-2750	0.1 S
1500°F	650-750	2100-2500	0.1 S
2000°F	1050-1500	3400-3900	0.1 S
2500°F	1300-1750	4300-4750	0.3 E
3000°F	1400-1750	4100-4400	0.5 E

All data shown is based on average of standard ASTM procedures, unless otherwise indicated. Results are subject to reasonable deviation and should not be used for specification purposes.