

# MILBRO REFRACTORIES, INC.

## MILRAM 60

A heat setting, high alumina, ramming mix. Exhibits high refractoriness, volume stability and resistance to acidic slags. Typical applications include steel ladles, holding ladles, burner blocks and other areas where the cutting of brick can be eliminated.

<b>Service Temperature</b>	<b>3100° F</b>
<b>Melting Point</b>	<b>3175° F</b>
<b>Material Required for Estimating</b>	<b>155 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	61.3
SiO <sub>2</sub>	35.2
Fe <sub>2</sub> O <sub>3</sub>	0.7
TiO <sub>2</sub>	0.9
MgO	0.3
CaO	0.1

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	200-250	700-100	0.4 S
1500°F	100-150	300-500	0.4 S
2000°F	150-250	450-700	0.4 E
2500°F	400-500	1000-1400	0.5 E
3000°F	800-900	2200-2700	1.2 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.