

# MILBRO REFRACTORIES, INC.

## MILRAM 80 HS

A high alumina, ramming mix. Exhibits high refractoriness, volume stability and excellent resistance to the corrosive action of metal and slags. High strength and good ramming characteristics.

<b>Service Temperature</b>	<b>3200° F</b>
<b>Melting Point</b>	<b>3375° F</b>
<b>Material Required for Estimating</b>	<b>175 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	81.6
SiO <sub>2</sub>	13.8
Fe <sub>2</sub> O <sub>3</sub>	1.6
TiO <sub>2</sub>	2.7
MgO	0.2
CaO	0.1

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	400-650	800-1050	0.1 S
2000°F	300-500	600-950	0.2 S
2500°F	700-950	2500-2900	0.1 E
3000°F	850-1150	2800-3200	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.