

# MILBRO REFRACTORIES, INC.

## MILPLAS 80 G

MILPLAS 80 G is a high alumina plastic containing graphite. It has been designed to withstand the erosive effects of molten iron and slag attack in severe service conditions. Typical applications include troughs, runners and skimmers for both blast furnaces and high production cupolas.

<b>Service Temperature</b>	<b>3150° F</b>
<b>Melting Point</b>	<b>3250° F</b>
<b>Material Required for Estimating</b>	<b>160 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	79.8
SiO <sub>2</sub>	16.0
Fe <sub>2</sub> O <sub>3</sub>	1.5
TiO <sub>2</sub>	2.4
MgO	0.2
CaO	0.1

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	100-150	350-600	0.0
1500°F	150-200	450-750	0.4 S
2000°F	175-225	500-800	0.2 S
2500°F	200-250	550-850	0.2 E
3000°F	150-200	500-900	0.2 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.