

# MILBRO REFRACTORIES, INC.

## MILPLAS 55 PBF

MILPLAS 55 PBF is a fine grained, high alumina, chemically bonded plastic refractory. Good resistance to slagging, spalling, and abrasion. Excellent workability for forming and patching existing linings.

<b>Service Temperature</b>	<b>3000° F</b>
<b>Melting Point</b>	<b>3175° F</b>
<b>Material Required for Estimating</b>	<b>152 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	55.2
SiO <sub>2</sub>	37.4
Fe <sub>2</sub> O <sub>3</sub>	1.4
TiO <sub>2</sub>	1.3
MgO	0.3
CaO	0.9
P <sub>2</sub> O <sub>5</sub>	3.5

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220° F	200-300	750-1000	0.3 S
2000° F	600-800	200-2350	0.5 S
2500° F	800-900	2300-2600	0.3 E

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