

# MILBRO REFRACTORIES, INC.

## MILPLAS 60 PB

MILPLAS 60 PB is a high alumina, chemically bonded plastic refractory. High hot strength and volume stability are features when used where resistance to slagging, spalling, and abrasion resistance is required. Applications include boilers, aluminum melting furnaces, ladle linings and patching in rotary kilns.

<b>Service Temperature</b>	<b>3100°F</b>
<b>Melting Point</b>	<b>3115°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>	60.4
SiO <sub>2</sub>	32.1
Fe <sub>2</sub> O <sub>3</sub>	1.5
TiO <sub>2</sub>	2.0
MgO	0.3
CaO	0.3
P <sub>2</sub> O <sub>5</sub>	3.4

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	375	1400	0.1 S
1500°F	625	1850	0.1 S
2000°F	700	2400	0.1 S
2500°F	950	3700	0.7 E

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