

# MILBRO REFRACTORIES, INC.

## MILPLAS AZ

A high purity, zircon - mullite, chemically bonded, plastic, refractory. Low porosity, high density and outstanding volume stability provides maximum resistance to alkali and glass attack. Lower heat transfer allows ease of skull removal for cleaner performance. MILPLAS AZ is excellent for patching existing linings.

<b>Service Temperature</b>	<b>3100° F</b>
<b>Melting Point</b>	<b>3240° F</b>
<b>Material Required for Estimating</b>	<b>172 lb./ft.<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	40.8
SiO <sub>2</sub>	31.6
ZrO <sub>2</sub>	21.9
Fe <sub>2</sub> O <sub>3</sub>	0.6
TiO <sub>2</sub>	1.1
P <sub>2</sub> O <sub>5</sub>	3.8

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture	Cold Crushing Strength , psi	Linear change %
500°F	-----	1500-2000	0.1 S
2000°F	-----	3200-3800	0.1 S
2500°F	2400	-----	0.1 E
2700°F	1700	-----	
3000°F	-----	5400-6000	0.3 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.