

# MILBRO REFRACTORIES, INC.

## MILGUN 90

MILGUN 90 is a 90% high alumina, high purity, gunning material. MILGUN 90 is recommended for severe applications where resistance to high temperature, abrasion and adverse conditions exist. This product can be gunned hot or cold with extremely low rebound.

**Service Temperature**  
**Material Required for Estimating**  
**Mixing Water Required**

**3200° F**  
**145 lbs./ft<sup>3</sup>**  
**Add at Nozzle**

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	88.7
SiO <sub>2</sub>	6.3
Fe <sub>2</sub> O <sub>3</sub>	0.6
TiO <sub>2</sub>	1.0
MgO	0.1
CaO	2.8
Alkalies	0.5

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
250°F	580	3230	0.0
1500°F	400	2100	0.3 S
2000°F	420	2200	0.4 S
2500°F	450	1800	0.3 S
3000°F	800	3300	0.6 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.