

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	3200° F
Material Required for Estimating	145 lbs./ft³
Mixing Water Required	Add at Nozzle

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	88.7
SiO ₂	6.3
Fe ₂ O ₃	0.6
TiO ₂	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 %	Thermal Cond. BTU/sq.ft/hr/in./° F
250°F	580	3230	0.0	500°F 9.8
1500°F	400	2100	0.3 S	1000°F 9.4
2000°F	420	2200	0.4 S	1500°F 9.1
2500°F	450	1800	0.3 S	2000°F 8.7
3000°F	800	3300	0.6 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.