

MILBRO REFRACTORIES, INC.

MILGUN 90 CR

MILGUN 90 CR is a 90% alumina, gunning material with chromic oxide added. MILGUN 90 CR is recommended for the most severe conditions of abrasion and erosion. MILGUN 90 CR is extremely shock resistant and can be gunned hot or cold with low rebound.

Service Temperature
Material Required for Estimating
Mixing Water Required

3200°F
148 lbs./ft³
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 |
| Cr ₂ O ₃ | 5.0 (ADDED) |

TYPICAL PHYSICAL PROPERTIES

| Temperature °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear change % |
|-------------------|----------------------------|--------------------------------|--------------------|
| 250°F | 625 | 3450 | 0.0 |
| 1500°F | 450 | 2300 | 0.3 S |
| 2000°F | 480 | 2440 | 0.4 S |

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.