

# MILBRO REFRACTORIES, INC.

## MILCROME 3200

High purity chrome-alumina, chemically bonded plastic refractory. MILCROME 3200 can be used where high hot strengths are desired and resistance to metal penetration is a factor.

<b>Service Temperature</b>	<b>3200° F</b>
<b>Melting Point</b>	<b>3325° F</b>
<b>Material Required for Estimating</b>	<b>175 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	74.5
SiO <sub>2</sub>	13.8
Fe <sub>2</sub> O <sub>3</sub>	0.3
TiO <sub>2</sub>	0.2
MgO	0.2
CaO	0.3
Cr <sub>2</sub> O <sub>5</sub>	9.6

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1400-1800	4500-5000	0.3 S
1500°F	1900-2200	5200-5800	0.2 S
2000°F	3000-3500	9500-11500	0.1 S
2500°F	4800-5200	12000-15000	0.2 S
3000°F	2800-3200	8500-11000	0.1 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.