

# MILBRO REFRACTORIES, INC.

## MILCROME 3100

High purity chrome-alumina, chemically bonded plastic refractory. MILCROME 3100 can be used to increase service life in applications presently using conventional 70% alumina refractories. Superior strength and refractoriness over materials in this alumina class.

<b>Service Temperature</b>	<b>3100° F</b>
<b>Melting Point</b>	<b>3325° F</b>
<b>Material Required for Estimating</b>	<b>170 lbs./ft<sup>3</sup></b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	64.3
SiO <sub>2</sub>	23.6
Fe <sub>2</sub> O <sub>3</sub>	0.8
TiO <sub>2</sub>	1.2
MgO	0.3
CaO	0.2
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	1000-1500	3500-3900	0.2 S
1500°F	1400-1800	4600-5000	0.2 S
2000°F	2500-3000	6400-6800	0.3 S
2500°F	3200-3600	7400-8000	0.2 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.

3000°F

1900-2300

4500-5000

0.2 S