

# MILBRO REFRACTORIES, INC.

## MILCAST 28

A low iron hydraulic setting castable specially formulated to exhibit low shrinkage high intermediate temperature strength and volume stability. Typical applications are soaking pit covers, cooler walls in rotary kilns and linings in forge furnaces.

<b>Service Temperature</b>	<b>2800° F</b>
<b>Material Required for Estimating</b>	<b>128 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>5.0-6.5 qt./100lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	51.3
SiO <sub>2</sub>	36.1
Fe <sub>2</sub> O <sub>3</sub>	1.8
TiO <sub>2</sub>	2.9
MgO	0.1
CaO	7.3

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	850-1025	3000-3300	0.1 S
1000°F	700-900	2200-2500	0.1 S
1500°F	650-750	1800-2050	0.2 S
2000°F	500-600	1350-1500	0.3 S
2700°F	900-1100	3500-4000	0.2 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.