

# MILBRO REFRACTORIES, INC.

## SUPER-FLOW® 30

SUPER-FLOW® 30 is a 50% alumina class, free flowing, low cement castable for use to 3000°F. It can be cast or pumped into place without vibration. SUPER-FLOW® 30 has out-standing strength and abrasion resistance throughout the temperature range.

<b>Service Temperature</b>	<b>3000° F</b>
<b>Material Required for Estimating</b>	<b>150 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required (cast)</b>	<b>6.7% - 6.8%</b>
<b>Mixing Water Required (pump)</b>	<b>7.2% - 7.3%</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	52.7
SiO <sub>2</sub>	42.3
Fe <sub>2</sub> O <sub>3</sub>	1.0
TiO <sub>2</sub>	2.1
MgO	0.1
CaO	1.3

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1580	10600	0.1 S
1500°F	1725	11500	0.1 S
2500°F	3950	17800	0.4 S
2900°F	2800	24200	0.7 S

**APP. POROSITY: 14.6% AFTER 1500°F.**

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.