

# MILBRO REFRACTORIES, INC.

## MILCAST SIC 40

**MILCAST SIC 40** is a high purity, silicon carbide, low cement castable. Designed with lower SIC content, for reduced heat transfer. **MILCAST SIC 40** is an excellent product selection for the riser and precalciner where slagging and alkali build up on the working surface is present, but not severe.

<b>Service Temperature</b>	<b>3000° F</b>
<b>Material Required for Estimating</b>	<b>162 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>3.0qt./100lbs</b>

### TYPICAL CHEMICAL ANALYSIS

SiC	38.8
Al <sub>2</sub> O <sub>3</sub>	51.2
SiO <sub>2</sub>	6.4
Fe <sub>2</sub> O <sub>3</sub>	0.6
TiO <sub>2</sub>	1.2
CaO	1.6

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	3400	10850	0.0
1500°F	3250	9900	0.1 S
2500°F	2950	9100	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.