

# MILBRO REFRACTORIES, INC.

## MILCAST SIC 56

**MILCAST SIC 56** is a high performance, silicon carbide, low cement castable. Ideal for applications requiring superior strength, thermal shock and abrasion resistance. It's low porosity and high heat transfer value provides for little, or no, slagging and alkali build up on the working surface. **MILCAST SIC 56** is an unbeatable product selection for the riser and pre-calciner.

<b>Service Temperature</b>	<b>3000° F</b>
<b>Material Required for Estimating</b>	<b>164 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>3.0qt./100lbs</b>

### TYPICAL CHEMICAL ANALYSIS

SiC	56.8
Al <sub>2</sub> O <sub>3</sub>	23.4
SiO <sub>2</sub>	16.7
Fe <sub>2</sub> O <sub>3</sub>	0.5
TiO <sub>2</sub>	0.9
CaO	1.6

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
1500°F	3000-3400	10000-15000	0.1 E
2000°F	2900-3200	19500-13000	0.2 S
2500°F	3000-3500	10000-14000	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.