

# MILBRO REFRACTORIES, INC.

## MILCAST 95 LC

An ultra high strength, high density, low porosity castable. Lower cement content and less water required for mixing allows for extremely high strengths and excellent erosion resistance when used in direct contact with molten metals and slags. Superior service life is expected when this product is cast or vibrated into place.

<b>Service Temperature</b>	<b>3250° F</b>
<b>Material Required for Estimating</b>	<b>188 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>2.0-2.5 qts./ 100lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	97.1
SiO <sub>2</sub>	1.2
Fe <sub>2</sub> O <sub>3</sub>	0.1
TiO <sub>2</sub>	0.1
MgO	Trace
CaO	1.4
Alkalies	0.1

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	3450	10900	0.0
1500°F	4900	13800	0.1 S
2000°F	5250	23500	0.1 S
2500°F	6600	29000	0.5 S
3000°F	5400	23900	0.8 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.