

# MILBRO REFRACTORIES, INC.

## MILCAST LW 30 LC

A 3000° F., lightweight, low-cement, refractory castable. Combined features of superior strength and thermal shock resistance, with insulating values far greater than conventional low cement castables. Lower density allows for less material required in a given installation. Excellent as a working lining wherever high strength and minimal heat loss is desired.

<b>Service Temperature</b>	<b>3000° F</b>
<b>Material Required for Estimating</b>	<b>105 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>3.5-4.0 qt./80lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	58.9
SiO <sub>2</sub>	36.9
Fe <sub>2</sub> O <sub>3</sub>	0.9
TiO <sub>2</sub>	1.3
MgO	0.2
CaO	2.1

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Cold Crushing Strength, psi	Linear change %	Thermal Cond. BTU/sq.ft/hr/in. <sup>2</sup> ° F
220°F	3500	0.1 S	500°F 4.1
1500°F	4100	0.1 S	1000°F 4.5
2000°F	4950	0.2 S	1500°F 4.8
2500°F	8800	0.3 E	2000°F 5.1
2700°F	9750	0.4 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.