

# MILBRO REFRACTORIES, INC.

## MILCAST LW 23

A hydraulic setting insulating castable with a service temperature of 2300° F. Low thermal conductivity and good strength throughout the temperature range. MILCAST LW 23 can be used as either a back up or working lining.

<b>Service Temperature</b>	<b>200° F</b>
<b>Material Required for Estimating</b>	<b>36 lbs./ft<sup>3</sup></b>
<b>Mixing Water Required</b>	<b>12.0-14.0 qt./35lbs</b>

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	38.9
SiO <sub>2</sub>	34.6
Fe <sub>2</sub> O <sub>3</sub>	3.9
TiO <sub>2</sub>	3.6
MgO	1.6
CaO	13.9

### TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Ruture, psi	Linear change %	Thermal Cond. BTU/sq.ft/hr/in./° F
220°F	375-500	0.2 S	500°F 1.3
1000°F	400-500	0.4 S	1000°F 1.4
2000°F	350-450	0.3 S	1500°F 1.6 2000°F 1.7

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.

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