

MILBRO REFRACTORIES, INC.

MILCAST LW 28

A hydraulic setting insulating castable with superior strength and high service limits. Excellent insulating characteristics. Excellent as a working lining where minimum thermal pollution is desired. Typical applications include roofs, upper side walls & sub-hearths of aluminum furnaces, soaking pit covers, heater walls, arches & baffles in Oil Refineries & Forge Furnaces.

Service Temperature	2800°F
Material Required for Estimating	80 lbs./ft³
Mixing Water Required	6.0-7.0 qt./80lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	54.9
SiO ₂	36.2
Fe ₂ O ₃	1.2
TiO ₂	1.1
MgO	0.1
CaO	5.1

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Cold Crushing Strength, psi	Linear change %	Thermal Cond. BTU/sq.ft/hr/in. ² F
220°F	300-400	0.1 S	500°F 2.3
1500°F	150-200	0.1 S	1000°F 2.7
2000°F	200-300	0.3 S	1500°F 2.9
2500°F	600-700	1.5 E	2000°F 3.3
2700°F	900-1000	1.6 E	2500°F 3.6

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.