

MILBRO REFRACTORIES, INC.

ALUCAST LW

A hydraulic setting, insulating castable with excellent aluminum penetration resistance and thermal conductivity characteristics. Superior properties when used as a working lining in contact with molten aluminum, or as a back up lining to dense monolithics. ALUCAST LW can also be gunned in place.

Service Temperature	2500° F
Material Required for Estimating	80 lbs./ft³
Mixing Water Required	6.0-7.0 qt./60lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	50.4
SiO ₂	33.2
Fe ₂ O ₃	1.1
MgO	0.1
CaO	4.4

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Cold Crushing Strength Lbs./sq. in.	Linear Change %	Thermal Conductivity BTU/sq.ft/hr/in/° F
220° F	1050 - 1200	0.1 S	500° F 2.3
1500° F	700 - 850	0.1 S	1000° F 2.8
2000° F	900 - 1100	0.3 E	1500° F 3.0
2400° F	1200 - 1450	2.4 E	2000° 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.

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