

MILBRO REFRACTORIES, INC.

CAR TOP LW

A lightweight insulating castable for service to 2400° F. Low thermal conductivity and good strength are features of this castable. Designed for use in kiln cars, CAR TOP LW reduces heat loss through the car.

Service Temperature	2400° F
Material Required for Estimating	58 lbs./ft³
Mixing Water Required	10.0-12.0 qt./50lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	34.8
SiO ₂	45.6
Fe ₂ O ₃	2.1
TiO ₂	0.9
MgO	0.2
CaO	14.8
Alkalies	1.6

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modules of Rupture, psi	Linear change %	Thermal Cond. BTU/sq.ft/hr/in. ² ° F
220°F	700-1000	0.1 S	500°F 1.6
1500°F	550-850	0.2 S	1000°F 1.5
2000°F	700-950	0.4 S	1500°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.