

MILBRO REFRACTORIES, INC.

MILCAST 90 LC

A high strength, low cement, 90% alumina castable. Abrasion resistance and thermal shock properties are superior. High density and low porosity are attained when this product is cast or vibrated during installation. This product is used in very severe service applications.

Service Temperature	3200° F
Material Required for Estimating	182 lbs./ft³
Mixing Water Required	2.5 qts./ 100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	92.8
SiO ₂	3.9
Fe ₂ O ₃	0.5
TiO ₂	1.2
MgO	0.1
CaO	1.4
Alkalies	0.1

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	3300	13850	0.0
1500°F	3350	14500	0.2 S
2000°F	3700	13800	0.2 S
2500°F	3850	12200	0.4 S
3000°F	6200	18750	0.6 S

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.