

MILBRO REFRACTORIES, INC.

MILCAST 60 LC - SIC

A 60% alumina, low cement castable with silicon carbide addition. Excellent strength and thermal shock properties. Application areas include troughs, runners, launders, covers and piers.

Service Temperature	3100° F
Material Required for Estimating	160 lbs./ft³
Mixing Water Required	2.5-2.75 qt./100lbs

TYPICAL CHEMICAL ANALYSIS

SIC	10.0
Al ₂ O ₃	61.2
SiO ₂	24.7
Fe ₂ O ₃	0.8
TiO ₂	1.7
CaO	2.1
Alkalies	0.2

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	2800	8500	0.0
1500°F	3275	10200	0.2 S

Fired in a Reducing Atmosphere

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.