

MILBRO REFRACTORIES, INC.

MILCAST 30 LC

A high density low porosity, low cement castable. Service temperature limit is 3000° F. Excellent hot strengths and erosion resistance. Less mixing water is required, thus less dry out time. Superior service life as compared to conventional castable of same service limit.

Service Temperature	3000° F
Material Required for Estimating	148 lbs./ft³
Mixing Water Required	3.0-3.5 qt./ 100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	49.2
SiO ₂	46.7
Fe ₂ O ₃	0.9
TiO ₂	1.2
MgO	0.2
CaO	1.7

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1800	10500	0.1 S
1500°F	1950	11300	0.1 S
2000°F	2500	13000	0.2 S
2500°F	3400	14500	0.4 E

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.