

MILBRO REFRACTORIES, INC.

MILCAST FA LC

An extremely high strength and volume stable, low cement, castable refractory. This fused alumina based castable is extremely resistant to abrasion and erosion and exhibits superior thermal shock properties. MILCAST FA LC attains high density and low porosity when vibrated during installation. Used in very severe service applications to prevent oxidation and slag attack.

Service Temperature	3200° F
Material Required for Estimating	172 lbs./ft³
Mixing Water Required	2.5 qts./ 100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	91.8
SiO ₂	3.9
Fe ₂ O ₃	0.5
TiO ₂	2.2
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	3250	13490	0.0
1500°F	3350	14500	0.2 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.