

MILBRO REFRACTORIES, INC.

MILCAST FS LC

A fused silica, low cement castable, with outstanding hot strengths and erosion resistance. MILCAST FS LC exhibits elastic linear change, therefore it is ideal for applications where high strength and volume stability are required. Low cement content means less water required for mixing, higher density, lower porosity and quicker firing cycle. Applications in aluminum, glass and power industries.

Service Temperature	2700°F
Material Required for Estimating	125 lbs./ft³
Mixing Water Required	2.0-2.5 qt./80lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	19.8
SiO ₂	77.6
Fe ₂ O ₃	0.3
TiO ₂	0.5
MgO	0.1
CaO	1.7

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	-----	8500	0.0
1500°F	4000	9700	0.1 S
2000°F	4150	13800	0.1 S
2550°F	-----	11100	0.1 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.