

MILBRO REFRACTORIES, INC.

MILCAST FS

A fused silica, hydraulic setting designed especially for applications where volume stability is required. MILCAST FS exhibits elastic linear change, it is ideal for extending service life of cast shapes in aluminum and glass industries.

Service Temperature	2650°F
Material Required for Estimating	120 lbs./ft³
Mixing Water Required	4.0-5.0 qt./80lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	20.8
SiO ₂	72.0
Fe ₂ O ₃	0.4
TiO ₂	0.6
MgO	0.1
CaO	6.1

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Cold Crushing Strength, psi	Linear change %	Thermal Cond. BTU/sq.ft/hr/in./° F
220°F	4500-7000	0.0	500°F 5.3
1000°F	3000-6000	0.1 S	1000°F 5.5
2000°F	5000-7500	0.2 S	1500°F 5.7
2550°F	-----	11100	2000°F 5.8

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.