MILBRO REFRACTORIES, INC.

MILCAST 29

A low iron, high alumina, castable. Volume stable and resists carbon disintegration and reducing atmospheres. Excellent strength. Typical applications are soaking pit bottoms and reheat furnace doors.

Service Temperature	**2900°F**
Material Required for Estimating	**140 lbs./ft^3**
Mixing Water Required	**4.5-5.5 qt./100lbs**

TYPICAL CHEMICAL ANALYSIS

Al_2O_3	55.3
SiO_2	37.9
Fe_2O_3	1.6
TiO_2	1.8
MgO	0.2
CaO	3.0
Alkalies	0.2

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	600-800	2500-3000	0.1S
1000°F	350-400	2200-2500	0.2 S
1500°F	450-500	1800-2200	0.3 S
2000°F	400-500	1500-1800	0.7 S
2500°F	900-1100	2800-3100	0.1 S
2750°F	1200-1400	3100-3400	0.3 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.