

MILBRO REFRACTORIES, INC.

MILCAST CO

A high strength low iron, refractory castable. Service Limit is 2600°F. Exhibits high cold strengths. Excellent working characteristics and good resistance to carbon disintegration. Excellent as coke oven door plug material.

Service Temperature	2600° F
Material Required for Estimating	125 lbs./ft³
Mixing Water Required	4.5-5.5 qt./80lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	45.4
SiO ₂	40.1
Fe ₂ O ₃	2.5
TiO ₂	2.8
MgO	0.1
CaO	9.8

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1050-1200	5000-7050	0.1 S
1000°F	400-600	2000-2500	0.1 S
1700°F	350-500	1000-1500	0.3 S
2500°F	600-800	1800-2500	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.

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