

MILBRO REFRACTORIES, INC.

MILCAST 80 LC

MILCAST 80 LC is a high alumina, low cement castable with physical properties that are superior to a conventional castable of similar content. This product exhibits high strength and excellent abrasion resistance throughout the temperature range.

Service Temperature	3100° F
Material Required for Estimating	165 lbs./ft³
Mixing Water Required	2.5-3.0 qt./100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	80.4
SiO ₂	14.1
Fe ₂ O ₃	1.0
TiO ₂	2.2
MgO	0.1
CaO	1.7

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	2400	12000	0.0
1500°F	2600	13500	0.2 S
2000°F	2800	16000	0.3 S
2500°F	2900	14200	0.2 S
3000°F	2400	9800	0.9 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.