

MILBRO REFRACTORIES, INC.

MILCAST 63 A

MILCAST 63 A is a mullite based, low cement, high alumina, castable, It was designed for use in molten aluminum contact areas where high strengths, excellent abrasion resistance, volume stability and non-wetting properties are required.

Service Temperature	3000° F
Material Required for Estimating	152 lbs./ft³
Mixing Water Required	3.0-3.25 qt./100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	64.7
SiO ₂	29.2
Fe ₂ O ₃	0.9
TiO ₂	1.6
MgO	0.1
CaO	1.6

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1950	7600	0.0
1500°F	2850	9500	0.1 S
2750°F	3800	15800	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.