

MILBRO REFRACTORIES, INC.

MILCAST AZ LC

MILCAST AZ LC is a high purity, zircon based castable with outstanding hot strengths, and thermal shock resistance. Low porosity and volume stability will resist alkali and glass attack. Heat transfer minimized to prevent destructive skulling.

Service Temperature	3000° F
Material Required for Estimating	210 lbs./ft³
Mixing Water Required	1.75-2.25 qt./100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	5.5
SiO ₂	34.1
Fe ₂ O ₃	0.3
TiO ₂	0.1
ZrO ₂	55.4
CaO	1.4

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	2608	1297	0.1 S
1500°F	2647	10985	0.3 S
2000°F	3425	11926	0.4 S
2500°F	3477	14665	0.5 S

APP. Porosity: 13.8% after 1500°F