

MILBRO REFRACTORIES, INC.

ALLOY PLAS

A high alumina, carbon bearing plastic refractory, developed especially for the Ferro Alloys industry. It finds its uses in holding troughs, mold linings, tap holes and ladles. Alloy Plas offers excellent resistance to metal and slag build-up. Ease of installation and maintenance patching are outstanding features.

Service Temperature	3150° F
Melting Point	3275° F
Material Required for Estimating	160 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	51.5
SiO ₂	25.2
Fe ₂ O ₃	2.7
TiO ₂	2.0
MgO	0.1
CaO	0.2
C	14.7

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	100-150	400-600	0.1 S
1500°F	100-15-	350-550	0.3 S
2000°F	150-200	450-650	0.4 S
2500°F	175-200	500-700	0.1 E
3000°F	100-150	400-600	0.3 E

All data shown is based on average of standard ASTM procedures, unless otherwise indicated. Results are subject to reasonable deviation and should not be used for specification purposes.