

MILBRO REFRACTORIES, INC.

CARBON PLAS

A high temperature, carbon bearing plastic refractory, developed especially for the Ferro Alloys industry. CARBON PLAS is a combination of high temperature refractory aggregates and high purity carbon materials. It's plasticity makes it ideal for working linings, ladles, troughs, molds and tap holes. CARBON PLAS is non-wetting, yet exhibits a low level of pollutants.

Service Temperature	3000° F
Melting Point	3100° F
Material Required for Estimating	105 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	24.5
SiO ₂	31.1
Fe ₂ O ₃	2.3
TiO ₂	0.6
MgO	0.2
CaO	0.2
C	40.1

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	50-100	200-300	0.2 S
1500°F	75-125	300-500	0.4 S
2000°F	100-150	350-600	0.3 S
2500°F	150-200	500-650	0.2 E
3000°F	100-175	375-450	0.5 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.