

MILBRO REFRACTORIES, INC.

MILPLAS G HS

A high alumina, graphite based plastic refractory containing. Excellent slag resistance and non-wetting when in contact with molten iron. Cupola applications include breast, tap-holes forehearth & wells. In blast furnaces, MILPLAS G HS is ideal for troughs, runners & slag skimmers,

Service Temperature	3100° F
Melting Point	3220° F
Material Required for Estimating	155 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	60.4
SiO ₂	34.9
Fe ₂ O ₃	2.1
TiO ₂	2.4
MgO	0.1
CaO	0.1

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	500-650	1600-2200	0.1 S
1500°F	200-250	750-1000	0.5 S
2000°F	225-300	900-1200	0.7 S
2500°F	250-300	1000-1400	0.3 S

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.