

MILBRO REFRACTORIES, INC.

MILPLAS 90 PBF

A fine grained, high purity, chemically bonded plastic refractory. Very high hot strengths high refractoriness and volume stability are outstanding features. Good handling characteristics. Excellent as a high purity patching material.

Service Temperature	3200° F
Melting Point	3275° F
Material Required for Estimating	175 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	89.6
SiO ₂	5.5
Fe ₂ O ₃	0.1
TiO ₂	0.3
MgO	0.1
CaO	0.6
P ₂ O ₅	3.7

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	800-1200	2500-4000	0.1 S
1500°F	1400-1800	5000-7000	0.1 S
2000°F	2500-3000	6200-8500	0.1 S
2500°F	2200-2500	7300-8500	0.4 S
3000°F	1600-2000	6000-8500	0.6 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.