

MILBRO REFRACTORIES, INC.

MILPLAS 70 HS

A high alumina, heat setting, plastic refractory. Excellent spall resistance, good load bearing properties and high refractoriness are just some of its features. MILPLAS 70 HS ideal for ramming large sections of walls and roofs and burner blocks in boilers, forge furnaces and incinerators. Patching in rotary kilns and electric furnace deltas are other applications

Service Temperature	3100° F
Melting Point	3200° F
Material Required for Estimating	165 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	68.8
SiO ₂	23.1
Fe ₂ O ₃	1.7
TiO ₂	2.6
MgO	0.1
CaO	0.2

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	300-350	1000-1500	0.5 S
1500°F	150-200	400-700	0.5 S
2000°F	300-350	110-1600	0.7 S
2500°F	400-475	1350-2000	0.9 S
3000°F	450-550	1600-2300	1.8 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.