

MILBRO REFRACTORIES, INC.

MILPLAS 85 HS

A high alumina, air setting, plastic refractory. High strength and high refractoriness along with spall resistance, make MILPLAS 85 HS ideal for ramming large sections of walls and roofs. Excellent ramming characteristics allow it to be used as a patching material in applications such as ramming burner blocks.

Service Temperature	3200° F
Melting Point	3225° F
Material Required for Estimating	170 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	85.9
SiO ₂	9.8
Fe ₂ O ₃	1.5
TiO ₂	2.4
MgO	0.2
CaO	0.2

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1000-1200	3200-3600	0.1 S
1500°F	700-950	2550-2850	0.2 S
2000°F	1200-1700	3500-4000	0.4 S
2500°F	1500-1850	4200-4600	0.2 E
3000°F	1700-2000	4300-4550	0.1 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.