

MILBRO REFRACTORIES, INC.

MILPLAS 55 PB

MILPLAS 55 PB is a high alumina, chemically bonded plastic refractory. Good resistance to slagging, spalling, and abrasion. High strength and volume stability are additional features. Typical applications include copings in soaking pits and lower side walls in reheat furnaces.

Service Temperature	3050° F
Melting Point	3200° F
Material Required for Estimating	155 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	55.2
SiO ₂	37.4
Fe ₂ O ₃	1.4
TiO ₂	1.3
MgO	0.3
CaO	0.9
P ₂ O ₅	3.5

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	200-300	800-1100	0.3 S
1500°F	500-700	1600-2000	0.6 S
2000°F	650-750	2100-2500	0.4 S
2500°F	850-1000	2450-2700	0.1 E
3000°F	1250-1450	3400-3800	0.8 E

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