

MILBRO REFRACTORIES, INC.

VIBEPLAS 70

A high alumina, chemically bonded, vibratable plastic. It exhibits high hot strengths throughout the temperature range. High refractoriness, high density and low porosity are additional features. This product is resistant to ferrous and non-ferrous metal penetration and the corrosive slags. Ready to install as received

Service Temperature	3200° F
Melting Point	3275° F
Material Required for Estimating	170 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	70.4
SiO ₂	23.2
Fe ₂ O ₃	1.1
TiO ₂	1.7
MgO	0.1
CaO	0.1
P ₂ O ₅	3.2

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	750-850	2300-2600	0.2 S
2000°F	1700-2000	5500-6200	0.7 E
2500°F	2200-2450	7500-9000	1.8 E
3000°F	2400-2750	8900-9600	0.5 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.