

MILBRO REFRACTORIES, INC.

SUPER-FLOW® 30

SUPER-FLOW® 30 is a 50% alumina class, free flowing, low cement castable for use to 3000°F. It can be cast or pumped into place without vibration. SUPER-FLOW® 30 has out-standing strength and abrasion resistance throughout the temperature range.

Service Temperature	3000° F
Material Required for Estimating	150 lbs./ft³
Mixing Water Required (cast)	6.7% - 6.8%
Mixing Water Required (pump)	7.2% - 7.3%

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	52.7
SiO ₂	42.3
Fe ₂ O ₃	1.0
TiO ₂	2.1
MgO	0.1
CaO	1.3

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1580	10600	0.1 S
1500°F	1725	11500	0.1 S
2500°F	3950	17800	0.4 S
2900°F	2800	24200	0.7 S

APP. POROSITY: 14.6% AFTER 1500°F.

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.