

MILBRO REFRACTORIES, INC.

MILCAST 28 SS

A high strength, coarse aggregate castable, specially formulated to exhibit, excellent abrasion resistance and thermal shock properties. MILCAST 28 SS, contains low iron, has moderate insulating values, and is typically used to cast special shapes to 2800° F.

Service Temperature	2800° F
Material Required for Estimating	128 lbs./ft³
Mixing Water Required	6.0-6.5 qt./100lbs

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	51.3
SiO ₂	37.7
Fe ₂ O ₃	1.2
TiO ₂	1.9
MgO	0.1
CaO	7.3

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	975-1250	3300-3800	0.1 S
1500°F	500-700	2500-2900	0.1 S
2000°F	800-1050	2800-3050	0.3 E
2500°F	1600-1850	4300-4900	0.5 E
2700°F	1500-1900	5100-5450	0.9 E

ABRASION LOSS: 6.2 cc 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.