

MILBRO REFRACTORIES, INC.

MILCROME CR

High purity chrome-alumina, chemically bonded plastic refractory. MILCROME CR can be used where high hot strengths are desired and resistance to metal penetration is a factor.

Service Temperature	3300° F
Melting Point	3325° F
Material Required for Estimating	178 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	85.3
SiO ₂	8.9
Fe ₂ O ₃	0.3
TiO ₂	0.2
MgO	0.2
CaO	0.2
Cr ₂ O ₅	4.7

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
220°F	1400-1800	4500-5000	0.3 S
2000°F	3000-3500	9500-11500	0.1 S
2500°F	4800-5200	12000-15000	0.2 S
3000°F	2800-3200	8500-11000	0.2 S

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.