

SPARCAST 97 CRF

SPARCAST 97 CRF is a 97% alumina castable designed for withstanding temperatures too extreme for lesser grades of castable.

PHYSICAL PROPERTIES

Maximum Service Temperature	3400°F
Dry Castable Requirement	160 - 168 lbs./cu.ft.
Approximate Water for Pouring	1.0 to 1.3 gal./100 lbs.

Modulus of Rupture

After Drying at 230°F	400-1000 lbs/sq.in.
After Heating to 1500°F	400-1000 lbs/sq.in.
After Heating to 2250°F	500-1100 lbs/sq.in.
After Heating to 2500°F	650-1350 lbs/sq.in.

Cold Crushing Strength

After Drying at 230°F	3000-7000 lbs/sq.in.
After Heating to 1500°F	3000-7000 lbs/sq.in.
After Heating to 2250°F	3500-7000 lbs/sq.in.
After Heating to 2500°F	3500-8500 lbs/sq.in.

Linear Change, %

After Drying at 230°F	0.0 to -0.4
After Heating to 1500°F	0.0 to -0.4
After Heating to 2250°F	0.0 to -0.4
After Heating to 2500°F	-0.4 to +0.4

Typical Chemical Analysis, %

Al ₂ O ₃	95.6
SiO ₂	0.1
CaO	3.9
Fe ₂ O ₃	0.1
Alkalies	0.2

SPARCAST 97 CRF is available in 55[#] bags and various size bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.