

**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 <sub>2</sub> O <sub>3</sub>	95.6
SiO <sub>2</sub>	0.1
CaO	3.9
Fe <sub>2</sub> O <sub>3</sub>	0.1
Alkalies	0.2

**SPARCAST 97 CRF** is available in 55<sup>#</sup> 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.