

## SPARCAST 94C

**SPARCAST 94C** is a 94% alumina castable designed for withstanding high temperatures and reducing conditions. It offers high strengths and excellent resistance to erosion.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3400°F
Dry Castable Requirement	166 - 171 lbs./cu.ft.
Typical Water for Ball in Hand Consistency	3.60 to 3.90 quarts./100 lbs. (7.50% – 8.10%)
Modulus of Rupture.	
After Heating to 1500°F	800-1200 lbs/sq.in
After Heating to 2500°F	900-1300 lbs/sq.in
Cold Crushing Strength.	
After Heating to 1500°F	8000-14000 lbs/sq.in
After Heating to 2500°F	8000-14000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.3
After Heating to 2500°F	0.0 to -0.6
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	Less than 12 cc (Typical: 8 – 10 cc)
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	94.5
SiO <sub>2</sub>	0.2
CaO	5.0
Fe <sub>2</sub> O <sub>3</sub>	0.1
Alkalies	0.2

**SPARCAST 94C** is available in 50# bags and various sized-bulk bags, palletized and shrink-wrapped.

#### **NOTE: CASTABLE MUST BE STORED IN DRY PLACE**

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