

## SPARCAST 94G

**SPARCAST 94G** is a 94% alumina gun mix 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	161 - 166 lbs./cu.ft.
Typical Water for Predampening	0.5 to 1.0 quarts./50 lb
Modulus of Rupture.	
After Heating to 1500°F	750-1100 lbs/sq.in
After Heating to 2500°F	800-1200 lbs/sq.in
Cold Crushing Strength.	
After Heating to 1500°F	6500-10000 lbs/sq.in
After Heating to 2500°F	7000-11000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2500°F	-0.1 to -0.9
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	Less than 15 cc (Typical: 11 – 13 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 94G** 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.