

## SPARCAST LC 97S

**SPARCAST LC 97S** is a high alumina, low-cement castable that contains a spinel addition. It is designed to be installed by vibration casting. It offers excellent resistance to attack by slags.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3400°F
Dry Castable Requirement	185 – 190 lbs./cu.ft.
Erosion Resistance (ASTM C704)	Less than 12 cc loss. (Typical: 6 - 9 cc loss)
Modulus of Rupture	
After Heating to 1500°F	1600 - 2000 lbs/sq.in
After Heating to 2300°F..	1700 - 2200 lbs/sq in
Cold Crushing Strength	
After Heating to 1500°F	9000 - 12000 lbs/sq.in
After Heating to 2300°F	9000 - 12000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	0.0 to -0.4
After Heating to 2300°F	0.0 to -0.4
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	97.2
SiO <sub>2</sub>	0.1
CaO	1.4
MgO	1.0
Fe <sub>2</sub> O <sub>3</sub>	0.1
Alkalies	0.2

**SPARCAST LC 97S** is available in 50# bags, 1500# and 3000# bulk bags, palletized and shrink-wrapped.

### NOTE: CASTABLES MUST BE STORED IN A 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.