

## SPARCAST LC 99

**SPARCAST LC 99** is a high purity alumina – spinel low cement castable with excellent flow properties. It is very resistant to hot metal / slag, erosion, and corrosion.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3300°F
Dry Castable Requirement	182 - 192 lbs./cu.ft.
Mix Water Required for Vibrating	3.50 - 4.75%
Bulk Density after 230°F	185 - 196 lbs./cu.ft
Modulus of Rupture	
After Drying at 230°F	1000-1600 lbs/sq.in.
After Heating to 1500°F	1100-1900 lbs/sq.in
After Heating to 2250°F	1500-2400 lbs/sq.in
After Heating to 2910°F	1900-3300 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	7500-13000 lbs/sq.in.
After Heating to 1500°F	7500-13000 lbs/sq.in
After Heating to 2250°F	8000-15000 lbs/sq.in
After Heating to 2910°F	10000-17000 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 2910°F	-0.2 to +0.4
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	94.1
MgO	4.0
CaO	1.5
Fe <sub>2</sub> O <sub>3</sub>	0.1

**SPARCAST LC 99** is available in 55<sup>#</sup> bags and 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.