

## SPARCAST LC 3000 1

**SPARCAST LC 3000 1** is a high purity, low moisture, low cement, castable designed for casting.

### PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Dry Castable Requirement	147-154 lbs./cu.ft.
Mix Water Required: Vibrating	5.00 - 5.75%
Bulk Density after 230°F	149-158 lbs./cu.ft
Modulus of Rupture	
After Drying at 230°F	1000 - 1650 lbs/sq.in.
After Heating to 1500°F	1300 - 1900 lbs/sq.in
After Heating to 2250°F	1400 - 2400 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	7000 - 12000 lbs/sq.in.
After Heating to 1500°F	8000 - 13000 lbs/sq.in
After Heating to 2250°F	8000 - 13000 lbs/sq.in
Erosion Resistance (ASTM C704)	Less than 10 cc loss. (Typical: 6 – 8 cc loss)
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	+0.2 to -0.4
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	52.0
SiO <sub>2</sub>	43.6
CaO	1.8
TiO <sub>2</sub>	1.5
Fe <sub>2</sub> O <sub>3</sub>	0.8
MgO	0.1
Alkalies	0.2

**SPARCAST LC 3000 1** is available in 55<sup>#</sup> bags and 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.