

# SPAR, Inc.

REFRACTORIES

P.O. BOX 909

JACKSONVILLE, AL 36265

PHONE: (256)435-9342

FAX: (256)435-9373

## SPARCAST 97 PRODUCT INFORMATION

**SPARCAST 97** is a 97% alumina castable designed for withstanding temperatures too extreme for lesser grades of castable.

### PHYSICAL PROPERTIES

|                               |                          |
|-------------------------------|--------------------------|
| Maximum Service Temperature   | 3400°F                   |
| Dry Castable Requirement      | 165 lbs./cu.ft.          |
| Approximate Water for Pouring | 1.0 to 1.3 gal./100 lbs. |

#### Modulus of rupture

|                         |                      |
|-------------------------|----------------------|
| After Drying at 230°F   | 1200-2000 lbs/sq.in. |
| After Heating to 1500°F | 1100-1700 lbs/sq.in. |
| After Heating to 2250°F | 1100-1900 lbs/sq.in. |
| After Heating to 2500°F | 1450-1850 lbs/sq.in. |

#### Linear Change, %

|                         |             |
|-------------------------|-------------|
| After Drying at 230°F   | 0.0         |
| After Heating to 1500°F | 0.0 to -0.2 |
| After Heating to 2250°F | 0.0 to -0.2 |
| After Heating to 2500°F | 0.0 to 1.0  |

#### Typical Chemical Analysis, %

|                                |        |
|--------------------------------|--------|
| Al <sub>2</sub> O <sub>3</sub> | 95.5   |
| SiO <sub>2</sub>               | 0.1    |
| CaO                            | 4.2    |
| Fe <sub>2</sub> O <sub>3</sub> | Traces |
| Alkalies                       | 0.2    |

The above are average results and do not constitute a specification.

**SPARCAST 97** is available in 50# bags, 100# bags, or 1500#, 2000#, or 3000# mini-bulk bags, palletized and shrink-wrapped.

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