SPARCAST LW 50

SPARCAST LW 50 is a 2300°F insulating castable with high strength and low thermal conductivity.

**PHYSICAL PROPERTIES**

- **Maximum Service Temperature**: 2300°F
- **Dry Castable Requirement**: 56 - 65 lbs./cu.ft.
- **Approximate Water for Pouring**: 5.0-5.5 gal./100 lbs.
- **Bulk Density after 220°F**: 76 - 87 lbs./cu.ft.
- **Modulus of Rupture**
  - After Drying at 220°F: 100-200 lbs/sq.in.
  - After Heating to 1500°F: 100-200 lbs/sq.in.
  - After Heating to 2000°F: 100-200 lbs/sq.in.
- **Cold Crushing Strength**
  - After Drying at 220°F: 300-700 lbs/sq.in.
  - After Heating to 1500°F: 300-700 lbs/sq.in.
  - After Heating to 2000°F: 400-800 lbs/sq.in.
- **Linear Change, %**
  - After Drying at 220°F: 0.0 to -0.5
  - After Heating to 1500°F: 0.0 to -0.8
  - After Heating to 2000°F: 0.0 to -1.2
- **Typical Chemical Analysis, %**
  - Al₂O₃: 40.8
  - SiO₂: 37.6
  - CaO: 13.7
  - Fe₂O₃: 3.4
  - TiO₂: 1.9
  - MgO: 0.6
  - Alkalies: 2.0
- **Thermal Conductivity**
  - Temperature °F: BTU/hr/ft² °F/in.
  - 500: 1.8
  - 1000: 1.8
  - 1500: 1.8

SPARCAST LW 50 is available in 55# bags and various size 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.