## Physical Properties

- **Maximum Service Temperature**: 2500°F
- **ASTM C-401**: Class C
- **Lbs. Required Dry Mix Per Cu. Ft.**: 125 lbs.
- **% Water by Weight Required for Casting**: Approx. 14%
- **Bulk Density After Drying at 230°F**: 129 lbs./cu.ft.
- **Cold Crushing Strength After Drying at 230°F**: 2500 - 3500 psi
- **MOR After Drying at 230°F**: 350 - 550 psi
- **Permanent Linear Change**
  - After Drying at 230°F: Negligible
  - After Heating to 1500°F: 0.0 to -0.3%
  - After Heating to 2300°F: 0.0 to -1.1%

## Chemical Analysis

- **Silica** \([\text{SiO}_2]\): 46.0%
- **Alumina** \([\text{Al}_2\text{O}_3]\): 39.0%
- **Iron Oxide** \([\text{Fe}_2\text{O}_3]\): 3.2%
- **Lime** \([\text{CaO}]\): 7.6%

## Thermal Conductivity BTU/Sq.Ft./HR./°F/IN.

- At 500°F: 5.2
- At 1500°F: 5.4
- At 2000°F: 5.7

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**NOTE:** All data subject to reasonable deviation and should not be used for specification purposes.