

SPARCAST LC 97 SPN

SPARCAST LC 97 SPN is an extra high purity alumina, low cement castable with a spinel addition. It is very resistant to hot metal / slag, erosion, and corrosion.

PHYSICAL PROPERTIES

| | |
|--------------------------------|--|
| Maximum Service Temperature | 3400°F |
| Dry Castable Requirement | 186 – 193 lbs./cu.ft. |
| Water requirement: | 4.50 – 5.00% by weight |
| Erosion Resistance (ASTM C704) | Less than 13 cc loss (Typical: 7 - 9 cc loss) |
| Modulus of Rupture | |
| After Heating to 1500°F | 1200 - 1800 lbs/sq.in |
| After Heating to 2250°F.. | 1200 - 1800 lbs/sq.in |
| After Heating to 2910°F.. | 1400 - 2200 lbs/sq.in |
| Cold Crushing Strength | |
| After Heating to 1500°F | 6000 - 12000 lbs/sq.in |
| After Heating to 2250°F | 6000 - 12000 lbs/sq.in |
| After Heating to 2910°F | 9000 - 16000 lbs/sq.in |
| Linear Change, % | |
| After Heating to 1500°F | 0.0 to -0.5 |
| After Heating to 2250°F | 0.0 to -0.5 |
| After Heating to 2910°F | -0.2 to +0.6 |
| Typical Chemical Analysis, % | |
| Al ₂ O ₃ | 96.6 |
| MgO | 1.1 |
| CaO | 1.4 |
| Fe ₂ O ₃ | 0.1 |

SPARCAST LC 97 SPN is available in 55[#] 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.