

SPARCAST 97 F PRODUCT INFORMATION

SPARCAST 97F is a fine-grained, high alumina, low iron, high purity castable. It is made up of tabular alumina and a high alumina hydraulic setting binder.

PHYSICAL PROPERTIES

| | |
|--------------------------------|--------------------------|
| Maximum Service Temperature | 3400°F |
| Dry Castable Requirement | 165 lbs./cu.ft. |
| Approximate Water for Pouring | 1.3 to 1.4 gal./100 lbs. |
| Bulk Density after 230°F | 170 lbs./cu.ft |
| Modulus of rupture | |
| After Drying at 230°F | 1600-2200 lbs/sq.in. |
| After Heating to 1500°F | 1600-2000 lbs/sq.in |
| After Heating to 2250°F | 1500-2100 lbs/sq.in |
| After Heating to 3140°F | 2000-2800 lbs/sq.in |
| Cold Crushing Strength | |
| After Drying at 230°F | 6500-11000 lbs/sq.in. |
| After Heating to 1500°F | 6500-11000 lbs/sq.in |
| After Heating to 2250°F | 6000-10000 lbs/sq.in |
| After Heating to 3140°F | 9000-13000 lbs/sq.in |
| Linear Change, % | |
| After Drying at 230°F | 0.0 to -0.2 |
| After Heating to 1500°F | -0.1 to -0.2 |
| After Heating to 2250°F | -0.1 to -0.2 |
| After Heating to 3140°F | -0.1 to -0.6 |
| Typical Chemical Analysis, % | |
| Al ₂ O ₃ | 94.5 |
| SiO ₂ | 0.1 |
| CaO | 4.6 |
| TiO ₂ | Trace |
| Fe ₂ O ₃ | 0.2 |
| MgO | 0.1 |
| Alkalis | 0.2 |

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

SPARCAST 97F 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