

SPARCAST 90 CRF

SPARCAST 90 CRF is a high alumina, high purity refractory castable designed for casting.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	147 - 153 lbs./cu.ft.
Approximate Water for Pouring	1.0 to 1.3 gal./100 lbs.
Bulk Density after 230°F	157 - 165 lbs./cu.ft.
Modulus of Rupture	
After Drying at 230°F	400-850 lbs/sq.in.
After Heating to 1500°F	300-700 lbs/sq.in.
After Heating to 2250°F	300-800 lbs/sq.in.
Cold Crushing Strength	
After Drying at 230°F	2000-4500 lbs/sq.in.
After Heating to 1500°F	1500-3500 lbs/sq.in.
After Heating to 2250°F	1250-3000 lbs/sq.in.
Linear Change, %	
After Drying at 230°F	0.0 to -0.5
After Heating to 1500°F	0.0 to -0.5
After Heating to 2250°F	0.0 to -0.5
Typical Chemical Analysis, %	
Al ₂ O ₃	79.9
SiO ₂	10.8
CaO	4.8
TiO ₂	2.8
Fe ₂ O ₃	1.2
MgO	0.2
Alkalies	0.3

SPARCAST 90 CRF 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.