

SPARCAST 90 PRODUCT INFORMATION

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

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	147-149 lbs./cu.ft.
Approximate Water for Pouring	1.0 to 1.3 gal./100 lbs.
Bulk Density after 230°F	150 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	500-850 lbs/sq.in.
After Heating to 1500°F	300-550 lbs/sq.in
After Heating to 2250°F	250-500 lbs/sq.in
After Heating to 3140°F	1500-2000 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
After Heating to 3140°F	5000-8000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0
After Heating to 1500°F	0.0 to -0.2
After Heating to 2250°F	0.0 to -0.4
After Heating to 3140°F	+0.1 to +0.8
Typical Chemical Analysis, %	
Al ₂ O ₃	89.5
SiO ₂	4.1
CaO	2.4
TiO ₂	2.3
Fe ₂ O ₃	1.0
MgO	0.5
Alkalies	0.2

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

SPARCAST 90 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