

SPARCAST 97

SPARCAST 97 is a 97% alumina castable designed for withstanding temperatures and conditions too extreme for lesser grades of castable.

PHYSICAL PROPERTIES

Maximum Service Temperature	3400°F
Dry Castable Requirement	165 lbs./cu.ft.
Approximate Water for Pouring	1.0 to 1.3 gal./100 lbs.
Modulus of rupture	
After Drying at 230°F	1200-2000 lbs/sq.in.
After Heating to 1500°F	1100-1700 lbs/sq.in.
After Heating to 2250°F	1100-1900 lbs/sq.in.
After Heating to 2500°F	1450-1850 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 -0.2
After Heating to 2500°F	0.0 to +1.0
Typical Chemical Analysis, %	
Al ₂ O ₃	97.2
SiO ₂	0.1
CaO	2.5
Fe ₂ O ₃	Traces
Alkalies	0.2

SPARCAST 97 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

Data shown are average results of standard ASTM testing unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing, and installation procedures in the field.