

SPARCAST LC 32 FF

SPARCAST LC 32 FF is a high purity, low moisture, low cement castable designed to flow with little or no vibration. Data shown below is at pumpable consistency.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	154 - 162 lbs./cu.ft.
Mix Water Required: Vibrating	4.0 - 5.0
(% by Weight) Pumping	5.0 - 6.0
Bulk Density after 230°F	159 - 168 lbs./cu.ft.
Modulus of rupture	
After Drying at 230°F	2000-2500 lbs/sq.in.
After Heating to 1500°F	2500-3300 lbs/sq.in.
After Heating to 2250°F	2500-3500 lbs/sq.in.
After Heating to 2300°F	3800-4500 lbs/sq.in.
Cold Crushing Strength	
After Drying at 230°F	12000-18000 lbs/sq.in.
After Heating to 1500°F	12000-18000 lbs/sq.in.
After Heating to 2250°F	13000-19000 lbs/sq.in.
After Heating to 2300°F	14000-20000 lbs/sq.in.
Linear Change, %	
After Drying at 230°F	0.0 to -0.4
After Heating to 1500°F	0.0 to -0.4
After Heating to 2250°F	0.0 to -0.4
After Heating to 2300°F	0.0 to -0.4
Hot Modulus of Rupture	
At 2000°F (typical average)	4265 lbs/sq.in.
Typical Chemical Analysis, %	
Al ₂ O ₃	65.1
SiO ₂	30.3
CaO	1.5
TiO ₂	1.9
Fe ₂ O ₃	0.9
MgO	0.1
Alkalies	0.2

SPARCAST LC 32 FF is available in 55[#] bags and various sized 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.