

SPARCAST LC 32 PRODUCT INFORMATION

SPARCAST LC 32 is a high purity, low moisture, low cement, vibrating castable.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	154 - 160 lbs./cu.ft.
Mix Water Required: (% by Weight)	5.0-6.0
Bulk Density	154 - 160 lbs./cu.ft.
Modulus of rupture	
After Drying at 230°F	2000-2500 lbs/sq.in.
After Heating to 1500°F	2500-3000 lbs/sq.in.
After Heating to 2250°F	2550-2900 lbs/sq.in.
Cold Crushing Strength	
After Drying at 230°F	14000-18000 lbs/sq.in.
After Heating to 1500°F	14000-18000 lbs/sq.in.
After Heating to 2250°F	14000-20000 lbs/sq.in.
Linear Change, %	
After Drying at 230°F	0.0 to -0.5
After Heating to 1500°F	0.0 to -0.4
After Heating to 2250°F	0.0 to -0.5
Erosion Resistance (ASTM C704)	Less than 7 cc loss. (Typical: 4 – 6 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	64.4
SiO ₂	31.1
CaO	1.1
TiO ₂	2.0
Fe ₂ O ₃	1.0
MgO	0.1
Alkalies	0.3

SPARCAST LC 32 is available in 100# bags or 1000#, 2000#, and 3000# 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.