

SPARCAST LC 30

SPARCAST LC 30 is a high purity, low moisture, low cement, vibrating castable.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	155-162 lbs./cu.ft.
Mix Water Required: Vibrating	4.0-5.5
(% by Weight) Ramming	3.5-4.5
Bulk Density after 230°F	157-165 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	1600-2200 lbs/sq.in.
After Heating to 1500°F	2200-3300 lbs/sq.in
After Heating to 2250°F	2200-3900 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	10000-15000 lbs/sq.in.
After Heating to 1500°F	11000-17000 lbs/sq.in
After Heating to 2250°F	11000-17000 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
Erosion Resistance (ASTM C704)	Less than 9 cc loss. (Typical: 4 – 6 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	60.6
SiO ₂	34.6
CaO	1.4
TiO ₂	1.9
Fe ₂ O ₃	1.0
MgO	0.2
Alkalies	0.3

SPARCAST LC 30 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.