

SPARCAST LC 30 A

SPARCAST LC 30 A is a high purity, low cement, vibrating castable. This specially designed product contains Andalusite to aid in thermal shock resistance. This product is also non-wetting.

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	10000-14000 lbs/sq.in.
After Heating to 1500° F	11000-16000 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
Erosion Resistance (ASTM C704)	Less than 8 cc loss. (Typical: 4 – 6 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	61.0
SiO ₂	35.3
CaO	1.1
TiO ₂	1.3
Fe ₂ O ₃	0.9
MgO	0.1
Alkalies	0.3

SPARCAST LC 30 A 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.

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