

SPARCAST LC 30 FF AL PRODUCT INFORMATION

LC 30 FF AL is a high purity, low cement, castable designed for vibrating, pumping, or shotcreting. It contains non-wetting properties for aluminum applications.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	160-165 lbs./cu.ft.
Mix Water Required: Vibrating	4.0-5.5
(% by Weight) Pumping	5.0-6.0
Shotcreting	5.0-6.0
Bulk Density after 230°F	160-165 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	1250-1650 lbs/sq.in.
After Heating to 1500°F	1250-2000 lbs/sq.in
After Heating to 2250°F	1410-2450 lbs/sq.in
After Heating to 2910°F	1390-2300 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	6000-9400 lbs/sq.in.
After Heating to 1500°F	5800-11000 lbs/sq.in
After Heating to 2250°F	10000-14000 lbs/sq.in
After Heating to 2910°F	12000-16000 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 2910°F	+0.3 to +0.6
Typical Chemical Analysis, %	
Al ₂ O ₃	62.7
SiO ₂	31.8
CaO	1.7
TiO ₂	1.9
Fe ₂ O ₃	1.2
MgO	0.4
Alkalies	0.3

The above are average results and do not constitute a specification.

LC 30 FF AL is available in 100# bags, 1500#, 2000#, and 3000# bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE