

SPARCAST LC 28 AL PRODUCT INFORMATION

SPARCAST LC 28 AL is a low moisture, low cement, vibrating castable that exhibits non-wetting properties in aluminum applications.

PHYSICAL PROPERTIES

Maximum Service Temperature	3000 F
Dry Castable Requirement	145-150 lbs./cu.ft.
Mix Water Required: Vibrating	4.0-5.5
Bulk Density after 230 F	145-150 lbs./cu.ft
Modulus of rupture	
After Drying at 230° F	1000-1650 lbs/sq.in.
After Heating to 1500° F	1800-2100 lbs/sq.in
After Heating to 2250° F	1800-2500 lbs/sq.in
Cold Crushing Strength	
After Drying at 230° F	7000-10000 lbs/sq.in.
After Heating to 1500° F	12000-16000 lbs/sq.in
After Heating to 2250° F	12000-16000 lbs/sq.in
Linear Change, %	
After Drying at 230° F	0.0 to -0.1
After Heating to 1500° F	0.0 to -0.1
After Heating to 2250° F	0.0 to +0.4
Erosion Resistance (ASTM C704)	Less than 10 cc loss. (Typical: 7 – 8 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	55.0
SiO ₂	40.7
CaO	1.0
TiO ₂	1.9
Fe ₂ O ₃	0.9
MgO	0.2
Alkalies	0.3

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

SPARCAST LC 28 AL is available in 50# and 100# bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE