

SPARCAST LC 30 ZR PRODUCT INFORMATION

SPARCAST LC 30 ZR is a high strength, alumina-zircon, ultra-low cement castable. It is designed for use in upper sidewalls and dross line applications in aluminum furnaces to reduce build-up of corundum.

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) Ramming	3.5-4.5
Bulk Density after 230°F	160-165 lbs./cu.ft.
Modulus of rupture	
After Drying at 230°F	2500-3500 lbs/sq.in.
After Heating to 1500°F	3000-4000 lbs/sq.in.
After Heating to 2250°F	3000-4200 lbs/sq.in.
Cold Crushing Strength	
After Drying at 230°F	11,000-15,000 lbs/sq.in.
After Heating to 1500°F	20,000-22,500 lbs/sq.in.
After Heating to 2250°F	20,000-22,500 lbs/sq.in.
Linear Change, %	
After Drying at 230°F	0.0 to -0.1
After Heating to 1500°F	0.0 to -0.3
After Heating to 2250°F	0.0 to -0.4
Typical Chemical Analysis, %	
Al ₂ O ₃	52.0
SiO ₂	32.6
ZrO ₂	11.7
CaO	1.0
TiO ₂	1.0
Fe ₂ O ₃	1.0
MgO	0.4
Alkalies	0.3

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

SPARCAST LC 30 ZR is available in 100# bags or 1000#, 2000#, and 3000# bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE