

SPARCAST LC 95

SPARCAST LC 95 is an extra high purity alumina low cement castable. It is very resistant to hot metal / slag, erosion, and corrosion.

PHYSICAL PROPERTIES

Maximum Service Temperature	3300°F
Dry Castable Requirement	190 - 197 lbs./cu.ft.
Mix Water Required: Vibrating	5.0 – 6.0
(% by Weight) Ramming	4.0 - 5.0
Bulk Density after 230°F	194 - 203 lbs./cu.ft
Modulus of Rupture	
After Drying at 230°F	1900-2900 lbs/sq.in.
After Heating to 1500°F	2000-3000 lbs/sq.in
After Heating to 2250°F	1800-2800 lbs/sq.in
After Heating to 2910°F	2300-3000 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	13000-18000 lbs/sq.in.
After Heating to 1500°F	14000-20000 lbs/sq.in
After Heating to 2250°F	14000-22000 lbs/sq.in
After Heating to 2910°F	14000-20000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0 to -0.5
After Heating to 1500°F	0.0 to -0.5
After Heating to 2250°F	0.0 to -0.5
After Heating to 2910°F	+0.2 to +0.8
Erosion Resistance (ASTM C704)	Less than 10 cc loss. (Typical: 5 - 7 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	88.9
CaO	2.0
TiO ₂	1.8
Fe ₂ O ₃	0.1
SiO ₂	6.5

SPARCAST LC 95 is available in 55[#] bags and 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.