

SPARCAST LC 90 S

SPARCAST LC 90 S is a high strength, high density, thermal shock resistant castable with good volume stability. It contains a silicon carbide reinforced matrix and special sintering aids to make it extremely resistant to all iron making slags.

PHYSICAL PROPERTIES

Maximum Service Temperature	3100°F
Dry Castable Requirement	183 - 189 lbs./cu.ft.
Mix Water Required to Cast (% by weight):	5.5 to 6.5
Bulk Density after 230°F	187 - 195 lbs./cu.ft
Modulus of Rupture	
After Drying at 230°F	900-1600 lbs/sq.in.
After Heating to 1500°F	900-1800 lbs/sq.in
After Heating to 2250°F	1400-2400 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	7000-10000 lbs/sq.in.
After Heating to 1500°F	7000-10000 lbs/sq.in
After Heating to 2250°F	8000-13000 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
Typical Chemical Analysis, %	
Al ₂ O ₃	66
SiC + C	19

SPARCAST LC 90 S is available in 55[#] bags and bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN 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.