

SPARCAST LW 50

SPARCAST LW 50 is a 2300°F insulating castable with high strength and low thermal conductivity.

PHYSICAL PROPERTIES

Maximum Service Temperature	2300°F
Dry Castable Requirement	56 - 65 lbs./cu.ft.
Approximate Water for Pouring	5.0-5.5 gal./100 lbs.
Bulk Density after 220°F	76 - 87 lbs./cu.ft
Modulus of Rupture	
After Drying at 220°F	100-200 lbs/sq.in.
After Heating to 1500°F	100-200 lbs/sq.in
After Heating to 2000°F	100-200 lbs/sq.in
Cold Crushing Strength	
After Drying at 220°F	300-700 lbs/sq.in.
After Heating to 1500°F	300-700 lbs/sq.in
After Heating to 2000°F	400-800 lbs/sq.in
Linear Change, %	
After Drying at 220°F	0.0 to -0.5
After Heating to 1500°F	0.0 to -0.8
After Heating to 2000°F	0.0 to -1.2
Typical Chemical Analysis, %	
Al ₂ O ₃	40.8
SiO ₂	37.6
CaO	13.7
Fe ₂ O ₃	3.4
TiO ₂	1.9
MgO	0.6
Alkalies	2.0
Thermal Conductivity	
Temperature °F	BTU/hr/ft ² /°F/in.
500	1.8
1000	1.8
1500	1.8

SPARCAST LW 50 is available in 55# bags and various size 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.