

SPARCAST LC 310 L

SPARCAST LC 310 L is a high purity, low moisture, low cement castable designed for foundry applications.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	154 - 162 lbs./cu.ft.
Mix Water Required: Vibrating	4.0 - 5.0
(% by Weight) Pumping	5.0 - 6.0
Bulk Density after 230°F	159 - 168 lbs./cu.ft.
Modulus of rupture	
After Drying at 230°F	1000-1700 lbs/sq.in.
After Heating to 1500°F	1100-1800 lbs/sq.in.
After Heating to 2250°F	1200-1900 lbs/sq.in.
Cold Crushing Strength	
After Drying at 230°F	7000-12000 lbs/sq.in.
After Heating to 1500°F	7000-12000 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	67.3
SiC +C	19.6
SiO ₂	9.6
CaO	1.0
TiO ₂	1.6
Fe ₂ O ₃	0.1
MgO	0.1
Alkalies	0.2

SPARCAST LC 310 L is available in 55[#] bags and various sized 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.