

SPARCAST LC 97

SPARCAST LC 97 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	3400°F
Dry Castable Requirement	200 – 210 lbs./cu.ft.
Water requirement for casting:	3.50 – 4.50% by weight
for ramming:	4.50 – 5.00% by weight
Modulus of Rupture	
After Heating to 1500°F	1200 - 1800 lbs/sq.in
After Heating to 2250°F..	1200 - 1900 lbs/sq in
After Heating to 2910°F..	1400 - 2400 lbs/sq in
Cold Crushing Strength	
After Heating to 1500°F	9000 - 16000 lbs/sq.in
After Heating to 2250°F	9000 - 16000 lbs/sq.in
After Heating to 2910°F	9000 - 16000 lbs/sq.in
Linear Change, %	
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 +0.6
Typical Chemical Analysis, %	
Al ₂ O ₃	97.2
CaO	1.4
Fe ₂ O ₃	0.1

SPARCAST LC 97 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.