

SPARCAST LC 99 X-5

SPARCAST LC 99 X-5 is a high purity alumina / chromic oxide low cement castable with a spinel addition. It is very resistant to hot metal / slag, erosion, and corrosion. Contains 5% Chrome.

PHYSICAL PROPERTIES

Maximum Service Temperature	3300°F
Dry Castable Requirement	185 - 192 lbs./cu.ft.
Mix Water Required: Vibrating	4.0 – 5.0
(% by Weight) Ramming	3.5 – 4.5
Bulk Density after 230°F	189 - 197 lbs./cu.ft
Modulus of Rupture	
After Drying at 230°F	800 - 1200 lbs/sq.in.
After Heating to 1500°F	800 - 1200 lbs/sq.in
After Heating to 2250°F	1000 - 1400 lbs/sq.in
After Heating to 2910°F	1100 - 1800 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	3500 - 7000 lbs/sq.in.
After Heating to 1500°F	3500 - 7000 lbs/sq.in
After Heating to 2250°F	5000 - 10000 lbs/sq.in
After Heating to 2910°F	8000 - 13000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0 to -0.4
After Heating to 1500°F	0.0 to -0.4
After Heating to 2250°F	0.0 to -0.5
After Heating to 2910°F	-0.1 to +0.8
Typical Chemical Analysis, %	
Al ₂ O ₃ + Cr ₂ O ₃	94.8
MgO	3.8
CaO	1.5

SPARCAST LC 99 X-5 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.