

SPARCAST 110G

SPARCAST 110G is a high strength, medium weight, abrasion resistant gun mix designed for applications where higher strength and good insulation is needed.

PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F
Dry Castable Requirement	113 lbs./cu.ft.
Pre-Damp Water	1.5 to 3 qts per 100 lbs.
Bulk Density (at 230°F)	117 - 125 lbs./cu.ft
(at 1500°F)	108 - 116 lbs./cu.ft
Modulus of Rupture	
After Heating to 1500°F	900 - 1100 lbs/sq.in.
Cold Crushing Strength	
After Heating to 1500°F	6000 - 9000 lbs/sq.in
Linear Change, %	
After Heating to 1500°F	-0.1 to -0.4%
Erosion Resistance (ASTM C704)	
After Heating to 1500°F	Less than 14cc (Typical 10 – 12)
Thermal Conductivity:	
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>
500°F	6.5
1000°F	6.2
1500°F	5.7
Typical Chemical Analysis, %	
Al ₂ O ₃	48.7
SiO ₂	39.0
CaO	8.3
TiO ₂	0.7
Fe ₂ O ₃	1.8
MgO	0.4
Alkalies	1.1

SPARCAST 110G is available in 50# bags or 1000#, 1500#, 2000# bulk bags, palletized and shrink-wrapped. Store 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.