

SPARCON SC30G

SPARCON SC30G is a 30% silicon-carbide, low-cement bonded, specialty refractory for gunite applications only.

PHYSICAL PROPERTIES

Maximum Service Temperature	2800 °F
Pre-damp water (qts/50# bag)	0.5 to 1.0 qts/bag
Dry Castable Requirement:	149 – 156 lbs/ft ³
Bulk Density (After Heating to 1500°F)	149 – 156 lbs/ft ³
Modulus of Rupture After Heating to 1500°F	1400 – 2000 lbs/sq.in
Cold Crushing Strength After Heating to 1500°F	8500 - 10000 lbs/sq.in
Abrasion Resistance (ASTM C-704)	Less than 12.0 cc.loss
Linear Change, % After Heating to 1500°F	-0.1 to -0.4
Thermal Conductivity: (BTU/ft ² /Hr/°F/in.)	
At 1000 °F	25
At 1700 °F	31
Typical Chemical Analysis, %	
SiC	31.9
Al ₂ O ₃	34.2
SiO ₂	30.3
TiO ₂	0.9
Fe ₂ O ₃	0.5
CaO	1.8
MgO	0.1
Alkalies	0.2

SPARCON SC30G is available in 50# bags or 1000#, 2000#, and 3000# bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM testing unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing, and installation procedures in the field.