

SPARLITE 55

SPARLITE 55 is an insulating castable that offers a high strength- to-insulation ratio at approximately 50 to 55 lb/ft³. This product has low thermal conductivity and can be cast or gunned.

PHYSICAL PROPERTIES

Maximum Service Temperature	2200 °F	
Water Required for Casting	12 to 13 qts/ 50 lb. bag	
Water Required for Predampening:	2 to 3 qts/50 lb. bag	
	<u>Cast</u>	<u>Gunite</u>
Bulk Density, lbs/ft ³	50-55	60 - 70
Cold Crushing Strength, psi		
After Heating to 1500 °F	250 - 400	300 - 500
After Heating to 2000 °F	200 - 400	300 - 500
Modulus of Rupture, psi		
After Heating to 1500 °F	100 - 200	150 - 250
After Heating to 2000 °F	100 - 200	150 - 250
Linear Change, %		
After Heating to 1500 °F	-0.4 to -0.7	-0.4 to -0.7
After Heating to 2000 °F	-0.5 to -0.9	-0.5 to -0.9
Thermal Conductivity:		
<u>Mean Temp :</u>	<u>BTU/ft²/Hr/°F/in</u>	
500°F	1.25	
1000°F	1.40	
1500°F	1.55	
Typical Chemical Analysis, %		
Al ₂ O ₃	27.9	
SiO ₂	47.5	
CaO	14.1	
TiO ₂	1.3	
Fe ₂ O ₃	5.9	
MgO	1.8	
Alkalies	1.4	

SPARLITE 55 is available in 40# bags, 1000#, and 2000# bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN 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.