

SPARLITE 60HS

SPARLITE 60HS is an insulating castable that offers a very high strength- to-insulation ratio at approximately 60 lb/ft³. This product has low thermal conductivity and can be cast or gunned.

PHYSICAL PROPERTIES

Maximum Service Temperature	2400°F	
Water Required for Casting	8.5 to 9.5 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	60	70 - 80
Cold Crushing Strength, psi		
After Heating to 1500°F	700 - 900	800 - 1200
After Heating to 2000°F	600 - 800	700 - 1100
Modulus of Rupture, psi		
After Heating to 1500°F	200 - 300	350 - 500
After Heating to 2000°F	150 - 250	300 - 500
Linear Change, %		
After Heating to 1500°F	-0.3 to -0.6	-0.4 to -0.8
After Heating to 2000°F	-0.4 to -0.8	-0.5 to -1.0
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>	
500°F	1.80	
1000°F	1.70	
1500°F	1.70	
Typical Chemical Analysis, %		
Al ₂ O ₃	30.8	
SiO ₂	49.0	
CaO	14.6	
TiO ₂	0.9	
Fe ₂ O ₃	3.4	
MgO	0.3	
Alkalies	1.1	

The above are average results and do not constitute a specification.

SPARLITE 60HS is available in 50# bags, 1000#, 1500# 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.