

SPARLITE 70HS

SPARLITE 70HS is a high strength, medium weight insulating castable suitable for hot face exposure as well as being a good insulator. **SPARLITE 70HS** can be cast or gunned.

PHYSICAL PROPERTIES

Maximum Service Temperature	2400°F		
Water Required for Casting	31.5 – 33.5%		
Water Required for Predampening:	1 to 2 qts/50 lb. bag		
Bulk Density, lbs/ft ³	<u>Cast</u>	<u>Gunite</u>	
	68 - 72	75 - 80	
Cold Crushing Strength, psi			
	After Heating to 1500°F	1100 – 1450	1400 – 1800
	After Heating to 2000°F	900 – 1100	1200 – 1700
Modulus of Rupture, psi			
	After Heating to 1500°F	250 – 400	350 - 500
	After Heating to 2000°F	250 – 400	350 – 500
Linear Change, %			
	After Heating to 1500°F	-0.1 to -0.4	-0.2 to -0.5
	After Heating to 2000°F	-0.4 to -0.9	-0.4 to -0.9
Thermal Conductivity:			
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u> <u>(hot wire method)</u>	<u>BTU/ft²/Hr/°F/in</u> <u>(calculated calorimeter results per API 935)</u>	
500°F	2.2	1.87	
1000°F	2.4	2.00	
1500°F	2.6	2.16	
Typical Chemical Analysis, %			
Al ₂ O ₃	30.6		
SiO ₂	49.5		
CaO	13.9		
TiO ₂	0.9		
Fe ₂ O ₃	3.8		
MgO	0.3		
Alkalies	1.0		

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

SPARLITE 75HS is available in 50# 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.