

SPARLITE 75HS RF

SPARLITE 75HS RF is a high strength, medium weight insulating castable suitable for hot face exposure as well as being a good insulator. **SPARLITE 75HS RF** can be cast or gunned.

PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F	
Water Required for Casting	29.0 – 31.0%	
Water Required for Predampening:	1 to 2 qts/50 lb. bag	
Bulk Density, lbs/ft ³	<u>Cast</u>	<u>Gunite</u>
	72-78	82 - 88
Cold Crushing Strength, psi		
	After Heating to 1500°F	1500 – 2200
After Heating to 2000°F	1200 – 1800	1700 – 2500
Modulus of Rupture, psi		
	After Heating to 1500°F	400 – 500
After Heating to 2000°F	400 – 500	450 – 550
Linear Change, %		
	After Heating to 1500°F	-0.1 to -0.4
After Heating to 2000°F	-0.3 to -0.7	-0.4 to -0.8
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>	
500°F	2.3	
1000°F	2.5	
1500°F	2.6	
Typical Chemical Analysis, %		
Al ₂ O ₃	30.4	
SiO ₂	49.7	
CaO	14.0	
TiO ₂	0.8	
Fe ₂ O ₃	4.2	
MgO	0.2	
Alkalies	0.6	

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

SPARLITE 75HS RF is available in 60# 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.