

**SPARLITE 75HS**

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

**PHYSICAL PROPERTIES**

Maximum Service Temperature	<b>2400°F</b>		
Water Required for Casting	29.0 – 31.0%		
Water Required for Predampening:	1 to 2 qts/50 lb. bag		
Bulk Density, lbs/ft <sup>3</sup>	<u>Cast</u>	<u>Gunite</u>	
	73 - 78	82 - 88	
Cold Crushing Strength, psi			
	After Heating to 1500°F	1500 – 2200	2000 – 2800
	After Heating to 2000°F	1200 – 1800	1700 – 2500
Modulus of Rupture, psi			
	After Heating to 1500°F	400 – 500	450 - 550
	After Heating to 2000°F	400 – 500	450 – 550
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/ft<sup>2</sup>/Hr/°F/in</u>		
500°F	2.3		
1000°F	2.5		
1500°F	2.7		
Typical Chemical Analysis, %			
Al <sub>2</sub> O <sub>3</sub>	30.4		
SiO <sub>2</sub>	49.7		
CaO	14.0		
TiO <sub>2</sub>	0.8		
Fe <sub>2</sub> O <sub>3</sub>	4.2		
MgO	0.2		
Alkalies	0.6		

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.

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