

**SPARLITE 65 LI**

**SPARLITE 65 LI** is a low iron, 2500°F, insulating castable that offers a high strength- to-insulation ratio at approximately 65 lb/ft<sup>3</sup>. This product has low thermal conductivity and can be cast or gunned.

**PHYSICAL PROPERTIES**

Maximum Service Temperature	2500°F	
Water Required for Casting	8.0 to 8.5 qts / 50 lb. bag	
Water Required for Predampening:	1.5 to 2.0 qts / 50 lb. bag	
Bulk Density, lbs/ft <sup>3</sup>	<u>Cast</u> 64 - 69	<u>Gunite</u> 75 - 85
Cold Crushing Strength, psi		
After Heating to 1500°F	400 - 800	500 - 900
After Heating to 2000°F	400 - 800	600 - 1000
Modulus of Rupture, psi		
After Heating to 1500°F	150 - 250	250 - 450
After Heating to 2000°F	100 - 200	350 - 550
Linear Change, %		
After Heating to 1500°F	-0.1 to - 0.3	-0.1 to - 0.4
After Heating to 2000°F	-0.1 to - 0.4	-0.1 to -0.4
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft<sup>2</sup>/Hr/°F/in</u>	
500°F	2.10	
1000°F	2.60	
1500°F	2.80	
Typical Chemical Analysis, %		
Al <sub>2</sub> O <sub>3</sub>	41.5	
SiO <sub>2</sub>	44.4	
CaO	10.7	
TiO <sub>2</sub>	0.8	
Fe <sub>2</sub> O <sub>3</sub>	0.8	
MgO	0.2	
Alkalies	1.5	

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

**SPARLITE 65 LI** 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.