

SPARLITE 80 LI

SPARLITE 80 LI is a low iron, medium weight insulating castable having intermediate strength suitable for hot face exposure as well as being a good insulator. **SPARLITE 80 LI** can be cast or gunned.

PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F	
Water Required for Casting	6 to 7 qts/ 50 lb. bag	
Water Required for Predampening:	1 to 2 qts/50 lb. bag	
Bulk Density, lbs/ft ³	<u>Cast</u> 75 - 80	<u>Gunite</u> 85 - 95
Cold Crushing Strength, psi		
After Heating to 1500°F	600 - 1000	1500 - 2000
After Heating to 2000°F	700 - 1000	1500 - 2000
Modulus of Rupture, psi		
After Heating to 1500°F	200 - 300	300 - 500
After Heating to 2000°F	200 - 300	350 - 550
Linear Change, %		
After Heating to 1500°F	-0.1 to -0.4	-0.2 to -0.5
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	43.5	
SiO ₂	40.7	
CaO	12.2	
TiO ₂	1.5	
Fe ₂ O ₃	1.0	
MgO	0.2	
Alkalies	0.9	

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

SPARLITE 80 LI 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.