

## SPARLITE 80P LI

**SPARLITE 80P LI** is a 75 to 80lb. High strength lightweight insulating refractory castable designed for pumpcast and/or shotcreting applications.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2500°F
Dry Castable Requirement	75 lbs./cu.ft.
Mixing Water Required (pumpable consistency)	29.0 – 34.0%
Bulk Density	
After Heating to 1500°F	73 – 82 lbs/cu.ft.
Cold Crushing Strength	
After Heating to 1500°F	1100 - 1600 psi
After Heating to 2000°F	1100 – 1700 psi
Linear Change, % (green to fired)	
After Heating to 1500°F	-0.2 to -0.4
After Heating to 2000°F	-0.3 to -0.6
Thermal Conductivity	
<u>Mean Temp</u>	<u>BTU/ft<sup>2</sup>/ F/in</u>
500°F	2.3
1000°F	2.5
1500°F	2.6
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	40.0
SiO <sub>2</sub>	41.7
CaO	14.6
TiO <sub>2</sub>	1.6
Fe <sub>2</sub> O <sub>3</sub>	1.0
MgO	0.3
Alkalies	0.7

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

**SPARLITE 80P LI** is available in 50# bags or 1000# bulk bags, palletized and shrink-wrapped.

#### **NOTE: CASTABLES MUST BE STORED IN A 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.