

## SPARLITE 1.0.6

**SPARLITE 1.0.6** is a lightweight insulating refractory castable with a low thermal conductivity that may be cast or gunned.

### PHYSICAL PROPERTIES

Maximum Service Temperature	2000°F	
Dry Castable Requirement	30 – 35 lbs./cu.ft.	
Mix Water Required	12 - 15 qts./25 lb bag.	
Water Required for Predampening	3 – 5 qts./25 lb bag.	
Cold Crushing Strength	Cast	Gun
After Heating to 1500°F	75 - 125 psi	125 – 225 psi
After Heating to 2000°F	75 – 175 psi	150 – 250 psi
Linear Change, %	Cast	Gun
After Heating to 1500°F	-0.7 to –1.3	-0.7 to –1.3
After Heating to 2000°F	-1.0 to –1.8	-1.0 to +1.8
Thermal Conductivity		
<u>Mean Temp</u>	<u>BTU/ft2/ F/in</u>	
500°F	0.90	
1000°F	1.00	
1500°F	1.15	
Typical Chemical Analysis, %		
Al <sub>2</sub> O <sub>3</sub>	31.2	
SiO <sub>2</sub>	30.8	
CaO	20.7	
TiO <sub>2</sub>	2.3	
Fe <sub>2</sub> O <sub>3</sub>	4.7	
MgO	7.6	
Alkalies	2.7	

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

**SPARLITE 35** is available in 25# 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.