

**SPARLITE 55**

**SPARLITE 55** is an insulating castable that offers a high strength- to-insulation ratio at approximately 50 to 55 lb/ft<sup>3</sup>. This product has low thermal conductivity and can be cast or gunned.

**PHYSICAL PROPERTIES**

Maximum Service Temperature	2200°F	
Water Required for Casting	12 to 13 qts/ 50 lb. bag	
Water Required for Predampening:	2 to 3 qts/50 lb. bag	
Bulk Density, lbs/ft <sup>3</sup>	<u>Cast</u> 50-55	<u>Gunite</u> 60 - 70
Cold Crushing Strength, psi		
After Heating to 1500°F	250 - 400	300 - 500
After Heating to 2000°F	200 - 400	300 - 500
Modulus of Rupture, psi		
After Heating to 1500°F	100 - 200	150 - 250
After Heating to 2000°F	100 - 200	150 - 250
Linear Change, %		
After Heating to 1500°F	-0.4 to -0.7	-0.4 to -0.7
After Heating to 2000°F	-0.5 to -0.9	-0.5 to -0.9
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft<sup>2</sup>/Hr/°F/in</u>	
500°F	1.25	
1000°F	1.40	
1500°F	1.55	
Typical Chemical Analysis, %		
Al <sub>2</sub> O <sub>3</sub>	27.9	
SiO <sub>2</sub>	47.5	
CaO	14.1	
TiO <sub>2</sub>	1.3	
Fe <sub>2</sub> O <sub>3</sub>	5.9	
MgO	1.8	
Alkalies	1.4	

**SPARLITE 55** is available in 40# 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.