

**SPARLITE 90LI**

**SPARLITE 90LI** is a 90 lb. per cubic foot, low-iron, medium weight insulating refractory castable with low thermal conductivity. This product is an excellent plastering castable and may be gunned, pumpcast and/or shotcreted.

**PHYSICAL PROPERTIES**

Maximum Service Temperature	2600°F
Dry Castable Requirement	89 lbs./cu.ft.
Mixing Water Required (cast)	22.0 to 25.0%
Mixing Water Required (pumpable consistency)	25.0 to 26.0%
Bulk Density	
After Heating to 1500°F	88 – 92 lbs/cu.ft.
Cold Crushing Strength	
After Heating to 1500°F	900 - 1400 psi
After Heating to 2000°F	800 - 1200 psi
Linear Change, %	
After Heating to 1500°F	0.00 to -0.30
After Heating to 2000°F	-0.1 to -0.4
Thermal Conductivity	
<u>Mean Temp</u>	<u>BTU/ft<sup>2</sup>/ F/in</u>
500°F	2.4
1000°F	2.5
1500°F	2.85
Typical Chemical Analysis, %	
Al <sub>2</sub> O <sub>3</sub>	38.9
SiO <sub>2</sub>	45.3
CaO	12.4
TiO <sub>2</sub>	1.4
Fe <sub>2</sub> O <sub>3</sub>	1.0
MgO	0.2
Alkalies	0.7

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

**SPARLITE 90LI** 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.