

SPARLITE 90LI

SPARLITE 90LI is a 90 lb. low iron medium weight insulating refractory castable that can be cast or gunned, as well pumpcast and 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		-0.0 to -0.3
After Heating to 2000°F		-0.1 to -0.4
Thermal Conductivity		
<u>Mean Temp</u>	<u>BTU/ft²/ F/in</u>	
500°F	2.4	
1000°F	2.5	
1500°F	2.85	
Typical Chemical Analysis, %		
Al ₂ O ₃		38.9
SiO ₂		45.3
CaO		12.4
TiO ₂		1.4
Fe ₂ O ₃		1.0
MgO		0.2
Alkalies		0.7

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

SPARLITE 90LI is available in 60# 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.