

SPARLITE 90LI-AL

SPARLITE 90LI-AL is a high strength, medium weight insulating castable that resists wetting in aluminum applications, and is suitable for hot face exposure as well as being a good insulator. **SPARLITE 90LI-AL** can be cast, pumpcast, shotcrete or gunned.

PHYSICAL PROPERTIES

Maximum Service Temperature	2600°F
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	82 – 92 lbs/cu.ft.
Cold Crushing Strength	
After Heating to 1500°F	600 – 1000 psi
After Heating to 2000°F	500 – 900 psi
Modulus of Rupture	
After Heating to 1500°F	200 – 300 psi
After Heating to 2000°F	150 – 250 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-AL 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.