SPARLITE 90P LI

SPARLITE 90P LI is a 90 lb. low iron medium weight insulating refractory castable designed for pumpcast and/or shotcreting applications.

PHYSICAL PROPERTIES

Maximum Service Temperature 2600°F
Dry Castable Requirement 88 lbs./cu.ft.
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 – 1200 psi
  After Heating to 2000°F 800 – 1100 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
  Mean Temp  BTU/ft²/F/in
  500°F  2.4
  1000°F  2.5
  1500°F  2.85

Typical Chemical Analysis, %
  Al₂O₃  44.3
  SiO₂  40.7
  CaO  11.7
  TiO₂  1.4
  Fe₂O₃  1.0
  MgO  0.2
  Alkalies  0.6

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

SPARLITE 90P LI 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.