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
   Mean Temp BTU/ft²/F/in
   500°F 2.4
   1000°F 2.5
   1500°F 2.85

Typical Chemical Analysis, %
   Al₂O₃ 38.9
   SiO₂ 45.3
   CaO 12.4
   TiO₂ 1.4
   Fe₂O₃ 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.