

SPARLITE 35

SPARLITE 35 is a lightweight insulating refractory castable with a low thermal conductivity that may be cast or gunned.

PHYSICAL PROPERTIES

Maximum Service Temperature	2000°F	
Mix Water Required	12 - 15 qts./25 lb bag.	
Water Required for pre-damp	3 – 5 qts./25 lb bag.	
Bulk Density	Cast	Gun
After Heating to 1500°F	28 - 33 pcf	35 - 40 pcf
Cold Crushing Strength	Cast	Gun
After Heating to 1500°F	75 - 125 psi	125 – 225 psi
After Heating to 2000°F	75 – 175 psi	150 – 250 psi
Linear Change, %	Cast	Gun
After Heating to 1500°F	-0.7 to -1.3%	-0.7 to -1.3%
After Heating to 2000°F	-1.0 to -1.8%	-1.0 to -1.8%

Thermal Conductivity

<u>Mean Temp</u>	<u>BTU/ft2/ F/in</u>
500°F	0.90
1000°F	1.00
1500°F	1.15

Typical Chemical Analysis, %

Al ₂ O ₃	31.2
SiO ₂	30.8
CaO	20.7
TiO ₂	2.3
Fe ₂ O ₃	4.7
MgO	7.6
Alkalies	2.7

SPARLITE 35 is available in 25[#] bags or bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN 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.