

GREENLITE[®] 45-L G PLUS

Ref:74/27/01/14

Product Data

Description: 1370°C Insulating Gunning Castable.

- Features: ● Hydraulically bonded and exhibits an excellent strength to density ratio.
- Uses: ● Fluid catalytic cracking units.
 ● Fluid coking units.
 ● Other industrial linings requiring good strength and insulating properties.

Chemical Analysis: Approximate (Calcined Basis)	
Silica - SiO ₂	40.7%
Alumina - Al ₂ O ₃	42.8%
Titania - TiO ₂	2.0%
Iron Oxide - Fe ₂ O ₃	1.7%
Lime - CaO	11.5%
Magnesia - MgO	0.4%
Alkalies - Na ₂ O + K ₂ O	1.0%
Physical Properties	
Maximum Recommended Temperature	1370°C
Quantity Required	1120 Kgs/m ³
Bulk Density	Kgs/m ³
After Heating at 105°C	1185 - 1280
After Heating at 815°C	1090 - 155
Modulus of Rupture - ASTM C113 and C 865	MPa
After Heating at 105°C	2.0 - 5.0
After Heating at 815°C	1.0 - 4.0
After Heating at 1095°C	1.0 - 4.0
Cold Crushing Strength - ASTM C113 and C865	MPa
After Heating at 105°C	15.0 - 25.0
After Heating at 815°C	10.0 - 20.0
After Heating at 1095°C	10.0 - 20.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 105°C	<0.05% Shr
After Heating at 815°C	0.0 - 0.2% Shr
After Heating at 1095°C	0.2 - 0.6% Shr
After Heating at 1315°C	0.5 - 0.9% Shr
Thermal Conductivity (at the mean temperature of)	W/mK
205°C	0.40
425°C	0.40
650°C	0.42
870°C	0.43
1095°C	0.45
Shelf Life (Under Proper Storage Conditions)	365 days

Note: The test data shown are based on average results of control tests and are subject to normal variation on individual tests. These results cannot be taken as maximum or minimum requirements for specification purposes.

MSDS, Installation Guidelines and Dry Out Schedules are also available.

