

GREENPAK[®] 45

Ref:140/31/10/12

Product Data

Description: Medium Alumina Clay Bonded Plastic.

- Features:
- Good resistance to thermal shock.
 - Good general purpose plastic.
- Uses:
- High temperature boilers.
 - Slab and billet heating furnaces.
 - Soaking pit covers and walls.
 - Rotary heat furnaces.
 - Forge furnaces.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	50.4%
Alumina - Al ₂ O ₃	45.8%
Titania - TiO ₂	1.3%
Iron Oxide - Fe ₂ O ₃	1.2%
Lime - CaO	0.3%
Magnesia - MgO	0.2%
Alkalies - Na ₂ O + K ₂ O	0.8%

Physical Properties

Maximum Recommended Temperature	1600°C
Quantity Required	2220 Kgs/m ³
Modulus of Rupture - ASTM C491	MPa
After Heating at 105°C	0.2 - 1.0
After Heating at 815°C	0.2 - 1.0
After Heating at 1095°C	0.5 - 1.5
Cold Crushing Strength - ASTM C133 and C865	MPa
After Heating at 105°C	1.5 - 3.0
Permanent Linear Change - ASTM C179	
After Heating at 105°C	0 - 1.0% Shr
After Heating at 815°C	0 - 1.0% Shr
After Heating at 1095°C	0 - 1.0% Exp
Shelf Life (Under Proper Storage Conditions)	180 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.

