

JADEPAK 88P

Product Data

Ref:123/04/06/13

Description: Alumina-Chromic Oxide, phosphate bonded plastic refractory.

- Features:
- Outstanding resistance to the penetration of acid, neutral and slightly basic slags.
 - High purity components imparts minimal wetting in a range of metallurgical applications.
 - Excellent resistance to thermal spalling in comparison with castables of similar composition.

- Uses:
- Copper Industry
 - Any application requiring outstanding chemical resistance and slag resistance, including steel industry.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	1.4%
Alumina - Al ₂ O ₃	83.6%
Iron Oxide - Fe ₂ O ₃	0.1%
Lime - CaO	0.1%
Magnesia - MgO	0.1%
Alkalies - Na ₂ O + K ₂ O	0.3%
Chromic Oxide - Cr ₂ O ₃	9.7%

Physical Properties

Maximum Recommended Temperature	1800°C
Quantity Required	3100 Kgs/m ³
Modulus of Rupture - ASTM C491	MPa
After Heating at 105°C	7.0 - 15.0
After Heating at 815°C	15.0 - 25.0
After Heating at 1400°C	15.0 - 25.0
Cold Crushing Strength - ASTM C113 and C865	MPa
After Heating at 105°C	22.0 - 40.0
Permanent Linear Change - ASTM C113 and C865	
After Heating at 105°C	0 - 0.3% Shr
After Heating at 1400°C	0.2% Shr - 0.6% Exp
After Heating at 1600°C	0.5% Shr - 0.6% Exp
After Heating at 1700°C	0.5% Shr - 0.5% Exp
Thermal Conductivity (at the mean temperature of)	W/mK
425°C	2.30
650°C	2.26
870°C	2.20
1095°C	2.29
Shelf Life (Under Proper Storage Conditions)	120 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.