

PRODUCT:	INSULYTE 15
PRODUCT CLASS:	REFRACTORY MONOLITHIC
TYPE:	MODERATE DENSITY INSULATING CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	TAMPING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1350 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR CASTING:	24 – 32 %

CHEMICAL ANALYSIS, %

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	3.2 Max.	3.10	BIS 12107 Part 6

PHYSICAL PROPERTIES

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	1.65 Max.	1.60	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	95 Min.	100	BIS 10570
after heating at 1100 °C / 3 hrs	60 Min.	65	BIS 10570
after heating at 1300 °C / 3 hrs	70 Min.	78	BIS 10570
% Retained on 6.3 mm sieve	5 Max.	1.2	BIS 1528 Part 14

THERMAL PROPERTIES

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		15 / 1430	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.30) to (+0.30)	-0.12	BIS 10570
after heating at 1300 °C / 3 hrs	(- 1.00) to (+1.00)	+0.85	BIS 10570
Thermal Conductivity, kcal/m/hr/°C at 500 °C HF	0.47 Max.	0.445	BIS 17107

Packaging: 25 kg bags

Delivery State: Dry

Storage Life : Best till 9 months from the date of production, if stored in proper condition.

Note:

(1) The data are current production averages. They can not be used as limits for specification.