

PRODUCT:	INSULYTE 13
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:	27 – 35 %

CHEMICAL ANALYSIS, %

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	3.50 Max.	3.40	BIS 12107 Part 6

PHYSICAL PROPERTIES

	SPECIFICATION	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	1.50 Max.	1.48	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	50 Min.	60	BIS 10570
after heating at 1100 °C / 3 hrs	30 Min.	35	BIS 10570
after heating at 1300 °C / 3 hrs	50 Min.	65	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		> 14 / > 1398	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(-0.30) to (+0.30)	-0.15	BIS 10570
after heating at 1300 °C / 3 hrs	(-0.80) to (+0.80)	+0.70	BIS 10570
Thermal Conductivity, kcal/m/hr/°C at 500 °C HF	0.37 Max.	0.335	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.