

PRODUCT:	INSULYTE 7
PRODUCT CLASS:	REFRACTORY MONOLITHIC
TYPE:	LOW DENSITY INSULATING CASTABLE
NATURE OF BOND:	HYDRAULIC
INSTALLATION:	TAMPING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1100 °C
MAXIMUM GRAIN SIZE:	6 mm
WATER REQUIRED FOR CASTING:	60 – 75 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	7.00 – 8.50	7.45	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	0.80 – 0.90	0.84	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	12 – 16	15.4	BIS 10570
after heating at 1100 °C / 3 hrs	6 – 12	8.3	BIS 10570
% Retained on maximum size	0 – 5	1.2	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		12 / 1337	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 0.40) to (-1.20)	-0.80	BIS 10570
Thermal Conductivity, kcal/m/hr/°C at 500 °C HF	0.17 – 0.20	0.18	WATER CALORIMETRIC METHOD

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.