



MEDIUM PURITY INSULATING CASTABLE

PRODUCT: INSULYTE 9
TYPE: MEDIUM DENSITY INSULATING CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: TAMPING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1200 °C
MAXIMUM GRAIN SIZE: 6 mm
WATER REQUIRED FOR CASTING: 38 – 43 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	4.5 – 6.0	5.1	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	0.90 – 1.05	0.99	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	15 – 22	18	BIS 10570
after heating at 1200 °C / 3 hrs	10 – 16	14	BIS 10570
% Retained on maximum size	0 – 5	1.2	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		13 / 1349	BIS 1528 Part 1
PLC, % after heating at 1200 °C / 3 hrs	(- 0.2) to (-1.0)	-0.50	BIS 10570
Thermal Conductivity, kcal/m/hr/°C at 500 °C HF	0.25 – 0.30	0.275	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.

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