



VARSHA
REFRACTORIES PVT. LTD.



HIGH PURITY INSULATING CASTABLE

PRODUCT: INSULYTE 15 Li
TYPE: MEDIUM DENSITY INSULATING CASTABLE
NATURE OF BOND: HYDRAULIC
INSTALLATION: TAMPING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1400 °C
MAXIMUM GRAIN SIZE: 6 mm
WATER REQUIRED FOR CASTING: 24 – 29 %

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Fe ₂ O ₃	1.20 – 1.70	1.50	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	1.50 – 1.65	1.60	BIS 10570
CCS, kg/cm ² after drying at 110 °C / 24 hrs	120 – 160	135	BIS 10570
after heating at 1100 °C / 3 hrs	75 – 95	85	BIS 10570
after heating at 1350 °C / 3 hrs	90 – 115	105	BIS 10570
% Retained on maximum size	0 – 5	1.4	BIS 1528 Part 14

THERMAL PROPERTIES

	RANGE	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)	-0.15	BIS 10570
after heating at 1350 °C / 3 hrs	(- 1.00) to (+1.00)	+0.70	BIS 10570
Thermal Conductivity, kcal / m / hr / °C at 500 °C HF	0.42 - 0.47	0.45	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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