



**VARSHA**  
REFRATORIES PVT. LTD.



**HIGH STRENGTH INSULATING CASTABLE**

**PRODUCT:** INSULYTE 9 HS  
**TYPE:** MEDIUM DENSITY INSULATING CASTABLE (HIGH STRENGTH)  
**NATURE OF BOND:** HYDRAULIC  
**INSTALLATION:** TAMPING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1200 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 38 – 44 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Fe <sub>2</sub> O <sub>3</sub>	2.50 – 3.00	2.80	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 <sup>2</sup> after drying at 110 °C / 24 hrs after heating at 1200 °C / 3 hrs	20 – 30 15 – 25	26 21	BIS 10570 BIS 10570
% Retained on maximum size	0 – 5	1.2	BIS 1528 Part 14

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		14 / 1398	BIS 1528 Part 1
PLC, % after heating at 1200 °C / 3 hrs	(- 1.00) to (+1.00)	-0.50	BIS 10570
Thermal Conductivity, kcal/m/hr/°C at 500 °C HF	0.25 – 0.30	0.28	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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