



**HIGH PURITY DENSE CASTABLES**

**PRODUCT:** INSULYTE 4  
**TYPE:** LOW DENSITY INSULATING CASTABLE  
**NATURE OF BOND:** HYDRAULIC  
**INSTALLATION:** TAMPING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1000 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 70 – 100 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Fe <sub>2</sub> O <sub>3</sub>	9 – 12	10.5	BIS 12107 Part 6

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g / cc after drying at 110 °C / 24 hrs	0.55 – 0.66	0.64	BIS 10570
CCS, kg / cm <sup>2</sup> after drying at 110 °C / 24 hrs	4 – 6	5.2	BIS 10570
after heating at 800 °C / 3 hrs	2 – 4	3.8	BIS 10570
% Retained on maximum size	0 – 5	1	BIS 1528 Part 14

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
PLC, % after heating at 1000 °C / 3 hrs	(- 0.10) to (-0.60)	-0.40	BIS 10570
Thermal Conductivity at 500 °C HF, kcal / m / hr / °C	0.10 - 0.14	0.12	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.

**AUTH. CHANNEL PARTNER - VARSHA REFRATORIES PVT. LTD.**

Address : 04, Kailash Appt. R P Road, Near D Mart, Old RTO Compound, Behind Gurudev Hotel, Kalyan (W) 421301 Tel : 0251-2314832 / 2318832 Fax : 2314831

Email : refractory9@gmail.com Website : www.varsharefractories.com