



**VARSHA**  
REFRACTORIES PVT. LTD.



**HIGH PURITY INSULATING CASTABLE**

**PRODUCT:** INSULYTE 11 Liz  
**TYPE:** MODERATE DENSITY INSULATING CASTABLE  
**NATURE OF BOND:** HYDRAULIC  
**INSTALLATION:** TAMPING

**GENERAL PROPERTIES**

MAX. SERVICE TEMPERATURE: 1300 °C  
MAXIMUM GRAIN SIZE: 6 mm  
WATER REQUIRED FOR CASTING: 40 – 46 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Fe <sub>2</sub> O <sub>3</sub>	0.80 – 1.20	1.10	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	1.00	BIS 10570
CCS, kg/cm <sup>2</sup> after drying at 110 °C / 24 hrs	15 – 30	20	BIS 10570
after heating at 1100 °C / 3 hrs	8 – 20	14	BIS 10570
after heating at 1300 °C / 3 hrs	15 – 30	25	BIS 10570
% Retained on maximum size	0 – 5	1.4	BIS 1528 Part 14

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		+ 14 / + 1398	BIS 1528 Part 1
PLC, % after heating at 1100 °C / 3 hrs	(- 1.00) to (+1.00)	-0.50	BIS 10570
after heating at 1300 °C / 3 hrs	(- 0.80) to (-1.50)	-1.30	BIS 10570
Thermal Conductivity, kcal/m/hr/°C at 500 °C HF	0.20 – 0.25	0.22	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