



INSULATING BRICKS

PRODUCT: POROSINT 650
TYPE: LOW BD HIGH STRENGTH HOT FACE INSULATION BRICK
NATURE OF BOND: CHEMICO – CERAMIC

GENERAL PROPERTIES

Maximum Service Temperature: 1400 °C
Reversible Thermal Expansion: 0.55% at 1000°C

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	47.00 – 51.00	50.0	BIS 12107 Part 3
Fe ₂ O ₃	1.00 – 1.50	1.35	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Bulk density, g / cc	0.58 – 0.67	0.65	ASTM C 134
C old crushing strength, kg/cm ²	22 – 30	25	ASTM C 133

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C	-	+ 29 / 1659	BIS 1528 Part 1
PLC, % after heating at 1400 °C / 5 hrs	+ 0.3 to - 2.30	- 1.90	ASTM C 210
Thermal Conductivity , Kcal/m/hr/°C at 800°C HF	0.25 – 0.28	0.27	Water Calorimetric Method

- Size Tolerance:
 - ± 1 mm on standard bricks.
 - ± 1% or ± 1.5 mm whichever greater for shaped bricks
- The data are current production averages. They can not be used as limit for specification

AUTH. CHANNEL PARTNER - VARSHA REFRACTORIES 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