



**INSULATING BRICKS**

**PRODUCT:** POROSINT 1550  
**TYPE:** INSULATION BRICKS FOR 1550 °C TEMPERATURE  
**NATURE OF BOND:** CERAMIC

**GENERAL PROPERTIES**

Maximum Service Temperature: 1550 °C  
Reversible Thermal Expansion: 0.60 % at 1000 °C

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	55 – 60	56.5	IS 12107 Part 3
Fe <sub>2</sub> O <sub>3</sub>	1.0 – 1.5	1.38	IS 12107 Part 6

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Bulk density, g / cc	0.90 – 1.10	1.00	ASTM C 134
C old crushing strength, kg/cm <sup>2</sup>	30 – 60	40	ASTM C 133

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C	---	+ 35 / + 1785	IS 1528 Part 1
PLC, % after heating at 1510 °C / 5 hrs	(+ 0.3) to (- 1.5)	- 1.40	ASTM C 210
Thermal Conductivity, Kcal/m/hr/°C at 800°C HF	0.38 to 0.45	0.41	Water Calorimetric method.

- Size Tolerance ± 1.0 % or ± 1.0 mm, whichever is greater
- This data relate to standard bricks only
- 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