



INSULATING BRICKS

PRODUCT: POROSINT 500
TYPE: LOW BD HOT FACE INSULATION BRICK
NATURE OF BOND: CHEMICO – CERAMIC

GENERAL PROPERTIES

Maximum Service Temperature: 1300 °C
Reversible Thermal Expansion: 0.55% at 1000°C

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	38.00 – 43.00	40.5	BIS 12107 Part 3
Fe ₂ O ₃	1.03 – 1.15	1.12	BIS 12107 Part 6

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Bulk density, g / cc	0.52 – 0.60	0.55	ASTM C 134
C old crushing strength, kg/cm ²	7 – 13	8.0	ASTM C 133

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C	-	20 / 1564	BIS 1528 Part 1
PLC, % after heating at 1230 °C / 24 hrs	+ 0.3 to - 1.0	- 0.6	ASTM C 210
Thermal Conductivity , Kcal/m/hr/°C at 800°C HF	0.18 – 0.25	0.225	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