
PRODUCT:	SUPERHEAT 40
TYPE:	HIGH HEAT DUTY FIRE BRICKS
NATURE OF BOND:	CERAMIC
SHAPING:	DRY PRESSED

GENERAL PROPERTIES

Maximum Service Temperature:	1350 °C
Reversible Thermal Expansion:	0.55 % at 1000 °C

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Bulk density, g / cc	2.05 – 2.15	2.10	ASTM C 20
Apparent Porosity %	18 – 24	20.8	ASTM C 20
Cold crushing strength, kg/cm ²	280 – 500	360	IS :1528 Part 4

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C	--	+28 / + 1646	IS 1528 Part 1
RUL (T _a), °C	1330 – 1380	1360	IS 1528 Part 2
PLC, % after heating at 1350 °C / 3 hrs	(- 1.0) to (+0.5)	-0.65	IS:1528 Part 6

- Size Tolerance ± 1.5 % or ± 2.0 mm, whichever is greater
- This data relate to machine moulded standard bricks only
- The data are current production averages. They can not be used as limit for specification