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<b>PRODUCT:</b>	<b>SUPERHEAT 70 NORMAL</b>
<b>TYPE:</b>	<b>HIGH ALUMINA BRICKS FOR NORMAL APPLICATION</b>
<b>NATURE OF BOND:</b>	<b>CERAMIC</b>
<b>SHAPING:</b>	<b>DRY PRESSED</b>

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### **GENERAL PROPERTIES**

Maximum Service Temperature:	1450 °C
Reversible Thermal Expansion:	0.60 % at 1000 °C

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### **PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Bulk density, g / cc	2.55 – 2.65	2.60	ASTM C 20
Apparent Porosity %	17 – 22	18.8	ASTM C 20
Cold crushing strength, kg/cm <sup>2</sup>	600 – 900	680	IS :1528 Part 4

### **THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C	--	+ 34 / + 1763	IS 1528 Part 1
RUL (T <sub>a</sub> ), °C	1400 – 1440	1420	IS 1528 Part 2
PLC, % after heating at 1450 °C / 3 hrs	(- 1.0) to (+ 1.5)	+ 0.88	IS:1528 Part 6

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- Size Tolerance ± 1.0 % or ± 1.5 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