

---

**PRODUCT:** SUPERHEAT 60 NORMAL  
**TYPE:** HIGH ALUMINA BRICKS  
**NATURE OF BOND:** CERAMIC  
**SHAPING:** DRY PRESSED

---

### **GENERAL PROPERTIES**

Maximum Service Temperature: 1400 °C  
 Reversible Thermal Expansion: 0.60 % at 1000 °C

---

### **PHYSICAL PROPERTIES**

|  | <b>RANGE</b> | <b>TYPICAL VALUE</b> | <b>TEST PROCEDURE</b> |
|--|--------------|----------------------|-----------------------|
| Bulk density, g / cc                       | 2.45 – 2.55  | 2.50                 | ASTM C 20             |
| Apparent Porosity %                        | 17 – 22      | 18.2                 | ASTM C 20             |
| Cold crushing strength, kg/cm <sup>2</sup> | 500 – 800    | 560                  | IS :1528 Part 4       |

### **THERMAL PROPERTIES**

|  | <b>RANGE</b>       | <b>TYPICAL VALUE</b> | <b>TEST PROCEDURE</b> |
|--|--------------------|----------------------|-----------------------|
| Refractoriness, Orton / °C                 | --                 | 33 / + 1743          | IS 1528 Part 1        |
| RUL (T <sub>a</sub> ), °C                  | 1380 – 1420        | 1400                 | IS 1528 Part 2        |
| PLC, %<br>after heating at 1400 °C / 3 hrs | (- 1.0) to (+ 1.0) | + 0.38               | IS:1528 Part 6        |

---

- 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