



ACID BRICK – BIS 4860-1982 CLASS-I

DATA SHEET

April-18

SR NO	PHYSICAL PROPERTIES	RESULTS
1	BULK DENSITY, (T/m ³) (ASTM C20)	>2.18
2	WATER ABSORPTION,% (ASTM C20)	<1.0
3	COLD CRUSHING STRENGTH,N/mm ² (DIN 51067)	>90
4	MODULUS OF RUPTURE, N/mm ² (ASTM C67)	>10
5	THERMAL CONDUCTIVITY, w/m ^{°k} (EN 993-15)	1.15 (400°C)
6	ACID SOLUBILITY, % wt (EN 993-15) (ASTM C279)	<2.0 <4.0
7	SIZE TOLERANCES,%	±1.5
8	THERMAL SHOCK RESISTANCE, cycle (DIN 51068)	>17 (450° C)



SR NO	CHEMICAL PROPERTIES	RESULTS, %
1	SiO ₂	70
2	Al ₂ O ₃	23
3	K ₂ O+Na ₂ O	3.5
4	TiO ₂	0.7
5	Fe ₂ O ₃	1.6

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