



ACID BRICK - ASTM C279 TYPE-II

DATA SHEET

April-18

SR NO	PHYSICAL PROPERTIES	RESULTS
1	WATER ABSORPTION, %	4 % MAXIMUM
2	POROSITY, %	8% MAXIMUM
3	BULK DENSITY, (G/CC)	2.32
4	MODULUS OF RUPTURE, PSI	2000 - 2844
5	COMPRESSIVE STRENGTH, PSI	15000
6	ACID SOLUBILITY, %	LESS THAN 8%
7	THERMAL CONDUCTIVITY, BTU IN/HR SQ FT	
	AT 300 °F	7.92
	AT 600 °F	8.35
	AT 1200 °F	9.14
	AT 1600 °F	10.28



SR NO	CHEMICAL PROPERTIES	RESULTS, %
1	Al ₂ O ₃	21.75
2	SiO ₂	68.65
3	MgO	0.5
4	TiO ₂	1.1
5	CaO	0.95
6	Fe ₂ O ₃	1.2
7	ZrO ₂	0.035
8	Na ₂ O	2.5
9	K ₂ O	2.9

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