



## NON IMPREGNATED CARBON BRICK

### DATA SHEET

April-19

SR NO	PHYSICAL PROPERTIES (Size: As per standard & thickness 10 To 100 mm Tol. (+/-) 1mm.)	RESULTS
1	DENSITY , gms/cc	1.5
2	COMP. STRENGTH , Kg/cm <sup>2</sup>	350-400
3	FLEXURAL STRENGTH, Kg/cm <sup>2</sup>	100-150
4	TENSILE STRENGTH , Kg/cm <sup>2</sup>	60
5	POROSITY , %	18-24
6	WATER ABSORPTION , %	12-18
7	CARBON CONTENT , %	99
8	ASH CONTENT , %	1
9	THERMAL CONDUCTIVITY , w/mk	4-6
10	ABRADABILITY INDEX, (Morgan Scale)	120
11	TEMP. RESISTIVITY , °C	750
12	CHEMICAL DUTY , % (SUITABLE FOA ALL ACIDS,ALKALIS,SOLVANTS & MIXTURES)	<1