



Technical Data Sheet LRB Mattresses

S. No.	Description	Standard Specification			
1	Material Composition	Rock wool/ Mineral Fibers bonded with Thermoset Resin			
2	Density Range (kg/m ³)	85-150 (Tolerance $\pm 15\%$)			
3	Thickness Range (mm)	25-100 (Tolerance $\pm 2\text{mm}$)			
4	LRB Mattresses Dimension	1640*1220			
5	Service Temperature	750°C			
6	Thermal Conductivity (K-value) W/cm°C	Mean Temperature °C			
		Product Group	100	200	300
		Gr-3 (81- 120)	0.52	0.73	0.95
		Gr-4 (121- 160)	0.52	0.68	0.9
7	Fiber Dia	7 micron			
8	Non-Fibrous (Shot) Content	Max 250 Microns- 15%			
		Max 500 Microns- 5%			
9	Moisture Absorption	Max 2%			
10	Moisture Content	Max 2%			
11	Alkalinity (pH value)	Within 7-10			
12	Recovery After Compression	Min 90%			
13	Corrosiveness	Non- Corrosive			
14	Chloride Content	Max 0.01%			
15	Sulphur Content	Max 0.6%			
16	Odor Emission	Not detected			
17	Fungi/ Mold/ Vermis	Do not encourage growth			
18	Asbestos Content	NIL			
19	Vibration Settlement	Max 1%			
20	Jolting Settlement	Max 3%			
21	Specifications Conforms	IS 8183 IS 3144 ASTM C-592			
22	Packing	HDPE Bags- Folded/ Un- Folded (Flat)			