

# R.S. ARORA



# ELECTRIC MAT

IS: 15652



CM/L -8443579



## Insulating Mat for Electrical Purpose

IS: 15652/2006

### Application:

Human safety is the prime concern of the mat developed for electrical purpose and shall be used as floor covering for the protection of workers on AC & DC installations with the system voltages upto 66 kV AC & 240 V DC.

### Construction:

Insulating Mat made for Highly Electrical resistant Elastomer, free from any insertions (includes rubbers, latex and Elastomeric compound that may be natural or synthetic or a mixture or a combination of both)

### Surface:

Upper surface of the mat is having small anti-skid aberration marks (rough surface without edges) to avoid slippery effects and lower surface is plane.

### Dimensions:

- a) Length & Width : Standard sizes are 01 x 02 & 1.2 x 2.4 Mtrs.
- b) Thickness as per classification & designation\*

Sl. No.	Class of Mat	Thickness (mm)	Tolerance (%)	ac (rms) kV	dc (rms) V
1.	A	2.00	±10	3.3	240
2.	B	2.50	±10	11	240
3.	C	3.00	±10	33	240

### Electrical Properties & Voltage test\* :

Sl. No.	Class of Mat	Thickness (mm)	Di-electric Strength ac (rms) kV	Proof Voltage ac (rms) kV
1.	A	2.00	30	10
2.	B	2.50	45	22
3.	C	3.00	65	36



### Working Temp. Range:

-10 to 55° C

### Silent Features of the Mats:

1. Flame Retardant
2. Low Temperature Resistance
3. Acid/Alkalis & Oil Resistant
4. Insulation Resistance with water
5. Low leakage Current° C



### AREAS OF APPLICATION/USE:

1. All kind of electric Sub-Stations
2. Transformer rooms
3. Lift Machine Rooms
4. Switch Rooms,
5. Electrical panels
6. AC Plant Rooms
7. X-Ray Plant Rooms
8. LT/HT Labs
9. Around Bus Bars
10. Generator Rooms etc.



### Recommendation for Use of Mats:

For obtaining max. practical safety in adverse working conditions, the mat should be permanently pasted with the help of suitable adhesive/resin.

All joints and covers shall be filled/covered with insulating materials of matching colours.

Joints waterproofing compound should be used to protect insulating & electrical properties from moisture.

Contact with petrol/diesel/paraffin or white spirit and strong acid/alkalis should be avoided.

**\*Note: Please refer to BIS document (IS:15652-2006) for detailed specifications**

## Other Range of Rubber Sheets:

### Natural Rubber Sheets

Rubber Sheets For Gaskets Packing & Insertion (Temp. -60 C to +75 C)

### Insertion Jointing Rubber Sheets (As Per IS:638/1979)

Used for leakproof jointing

### Shot Blasting Rubber Sheets

Highly abrasion resistant sheet

### EPDM Rubber Sheets

Used for high temp. & weather resistant (Temp. -50 C to +130 C)

### Nitrile Rubber Sheets

Highly resistant to Oil & Solvent products (Temp. -20 C to +100 C)

### Neoprene Rubber Sheets

Resistant to ageing, acid, heat, alkalis & cold mineral oils (Temp. -60 C to +75 C)

### Elastometric Bearing (Neoprene bridge Bearing Pads)

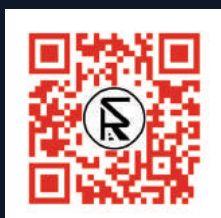
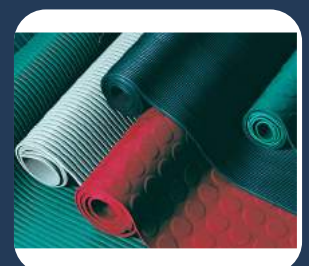
As per IRC-83 (PT-II-1987)

### Hyplon Rubber Sheets

Resistant to heat oils and chemicals (Temp. -25 C to +130 C)

### Silicon Rubber Sheets

Used for high temp. range (Temp. -60 C to +205 C)



## R.S. Arora Rubber Corporation

BIGGEST STOCKISTS FOR RUBBER AND INDUSTRIAL GOODS

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