

Other Range of Rubber Sheets

Natural Rubber Sheets

Rubber Sheets For Gaskets Packing & Insertion (Temp. -60°C +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 +130°C)

Nitrile Rubber Sheets

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

Neoprene Rubber Sheets

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

Elastomeric Bearing (Neoprene bridge Bearing Pads)

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

Hypalon Rubber Sheets

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

Silicon Rubber Sheets

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



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Padmawati

Rubbers (P) Limited



IS:15652



CM/L- 8443579



Insulating Mat for Electrical Purpose

HKB



Insulating Mat for Electrical Purpose (IS:15652/2006)

Application : Human safety is 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 & 240V dc.

Construction : Insulating Mat made from 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 |
| 4. | D | 3.50 | ±10 | 66 | 240 |

Electrical Properties & Voltage test* :

| Sl. No. | Class of Mat | Thickness (mm) | Di-electric Strength ac (rms) kV | Proff Voltage ac (rms) kV |
|---------|--------------|----------------|----------------------------------|---------------------------|
| 1. | A | 2.00 | 30 | 10 |
| 2. | B | 2.50 | 45 | 22 |
| 3. | C | 3.00 | 65 | 36 |
| 4. | D | 3.50 | 110 | 70 |

Working Temp. Mats :
-10 to 55°C

Silent Features of the Mats :

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



Areas of application/use :

1. All kind of electric Sub-Stations
2. Transformers 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:

1. For obtaining max. practical safety in adverse working conditions, the mat should be permanently pasted with the help of suitable adhesive/resin.
2. All joints and covers shall be filled/covered with insulating materials of matching colours.
3. Joints waterproofing compound should be used to protect insulating & electrical properties from moisture.
4. 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