

PROTECT YOURSELF & YOUR ORGANIZATION FROM:

- Complications
- Claims
- Litigation
- Avoid Electrical Accidents



Fire Retardant



High Tensile Strength



High Dielectric Strength



High Insulation Resistance



Made from Elastomer



Moisture Proof & Easy to Clean



Life Span 10 to 15 years



Confirming to IS : 15652-2006



CPRI & ERDA LAB Tested

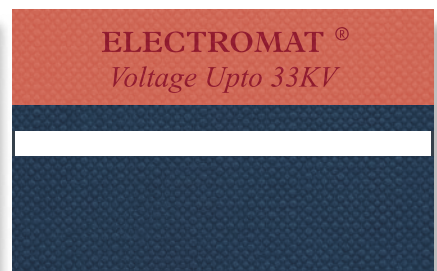
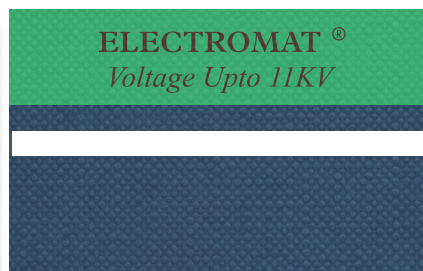
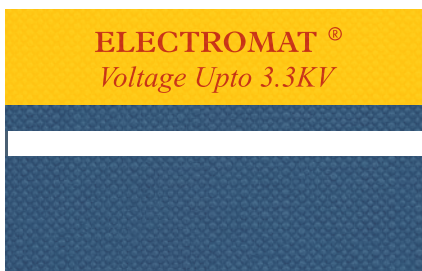
ELECTROMAT[®]

With Auto Glow Safety Band

ELECTROMAT[®]
 Voltage Upto 3.3KV

ELECTROMAT[®]
 Voltage Upto 11KV

ELECTROMAT[®]
 Voltage Upto 33KV



THE TECHNICAL SPECIFICATIONS AS PER IS: 15652:2006 STANDARDS

S.NO.	CHARACTERISTICS	STANDARD VALUES		
		2.0 mm ±10%	2.5 mm ±10%	3.0 mm ±10%
1.	Thickness	2.0 mm ±10%	2.5 mm ±10%	3.0 mm ±10%
2.	Tensile Strength (N/mm²)	min 15	min 15	min 15
3.	Elongation(%)	min 250	min 250	min 250
4.	Insulation Resistance with water at 500V	1,00,000 M Ω	1,00,000 M Ω	1,00,000 M Ω
5.	Leakage Current	max. 10 mA at 3.3 KV	max. 10 mA at 11 KV	max. 10 mA at 33 KV
6.	AC Di Electric Strength	min 30 KV	min 45 KV	min 65 KV
7.	AC Proof Voltage	10 KV should withstand for 3 min	22 KV should withstand for 3 Min	36 KV should withstand for 3 Min
8.	Fire Retardance (max.)	Fire Should Extinguish within in 5.0 sec	Fire Should Extinguish within in 5.0 sec	Fire Should Extinguish within in 5.0 sec
9.	Effect to Acid, Alkali, Diesel & Transformer Oil Acid: Tensile Strength (N/mm ²) Elongation (%) Alkali: Tensile Strength (N/mm ²) Elongation (%) Diesel: Tensile Strength (N/mm ²) Elongation (%) Transformer Oil: Tensile Strength (N/mm ²) Elongation (%)	Change from Original value (Retention %) Tensile Strength: Min. 80% Elongation: Min. 80%	Change from Original value (Retention %) Tensile Strength: Min. 80% Elongation: Min. 80%	Change from Original value (Retention %) Tensile Strength: Min. 80% Elongation: Min. 80%
10.	Agening Properties at 70 ±1° C for 168 hrs. Tensile Strength (N/mm ²) Elongation (%)	Change from Original value (Retention %) Tensile Strength: Min. 75% Elongation: Min. 75%	Change from Original value (Retention %) Tensile Strength: Min. 75% Elongation: Min. 75%	Change from Original value (Retention %) Tensile Strength: Min. 75% Elongation: Min. 75%

> ELECTROMAT Insulating Mat – Confirming to IS: 15652:2006 has superceded the rubber mats with IS: 5424 (Old Std.)

> Use of Synthetic Insulating Mat as per IS: 15652 is necessary from 01 Nov 2007 as per the Govt. of India Gazette notification No. S.O. – 2086.

> Insulated mats confirming to IS: 15652:2006 shall be provided in front of main switch boards as well as other control equipment as specified in CPWD General specifications for electrical work Part IV substation 2007

> Use is mandatory as per Central Electricity Authority (CEA) notification no. CEI/1/59/CEA/EI Dated – 20th Sep 2010 published in Gazette of India.

Why are Insulating Mats required?

Insulating Mats are required for safety of workers working on upto AC 33KV & DC 240V. Installations in all kinds of sub-stations operating HT & LT switch-gears, control panels, transformer rooms, battery rooms, generator rooms and bus bar panels etc.

Why is it necessary to ensure that the Insulating Mats are of good quality?

A lot of mats in the market, despite being certified, do not provide the safety they promise.

✓ **Here are two steps take to check the quality.**

1st CHECK

Cut a small piece and dip in Diesel for 7 Days. The Strength of a poor quality mat will reduce to half. It means it will not last more than 1 or 2 year, Please keep in mind the service life is what you are paying for.

2nd CHECK

Cut a piece of size 1 Mtr X 20 cm from your insulating mat and send it to **ERDA Lab**, Baroda (www.erda.org). Just test the Di-electric Strength as per IS:15652:2006. It may cost about Rs. 5000. The minimum result of dielectric strength as mandated in IS: 15652 is as follows:

THICKNESS & APPLICABLE VOLTAGE	DI-ELECTRIC STRENGTH AS PER IS: 15652:2006
2.0 mm for 3.3 KV	Min 30 KV
2.5 mm for 11 KV	Min 45 KV
3.0 mm for 33 KV	Min 65 KV



Ensure buying quality human safety products because you are paying for it & relying on it. Premier Polyfilm Ltd.has a full fledged lab to carry out the tests in accordance with the IS: 15652:2006 standard.

★ SPECIAL FEATURES

1. Coloured strips on both sides along the length and brand name ELECTROMAT with the voltage rating printed on one side.
2. Available in width of 1m & 2m

🛡️ EXTRA SAFETY FEATURES

Path-Way Bands on both sides along the length and an **Auto-Glow** safety band seamlessly laminated on the surface which absorbs light & glows in emergency situations for a period of at least 3 hours.

ABOUT US

- Premier Polyfilm Ltd. Incorporated in 1992 is the manufacturer of ELECTROMAT HV Insulating Mats, PVC Floorings, PVC Sheeting, PVC Geomembrane, PVC Anti-Static Flooring, Artificial Leather for Automobiles & Transport Seating.
- **Star Export House status** accorded by the Govt. of India since 2002.
- **30+ years experience** producing PVC products as per international Quality Standards since 1992.
- **Over 5000 Clients** Served Growth through Creativity & Innovation Service.

OUR CAPABILITIES

- Coating, Calendering, Printing, Lamination, Embossing, Complete in-house testing with own fabric manufacturing.
- State-Of-the-art manufacturing facility located in UP state at Sikandrabad, Bulandshahar.
- Complete Test Lab and R&D centre to assure product quality & support new developments.

OUR ESTEEMED CLIENTS



info@electromat.in
Mobile: +91-9899764409,
+91-9873423059

UNIT 1
40/1A, Site-IV
Sahibabad Industrial Area
Ghaziabad, 201010
Uttar Pradesh India

UNIT 2
A-11,12 & 13
Industrial Area, Sikandrabad
District Bulandshahar, 203205
Uttar Pradesh India



Premierpoly