

**Item Name:** Rubber Insulating Matting as per ASTM D 178

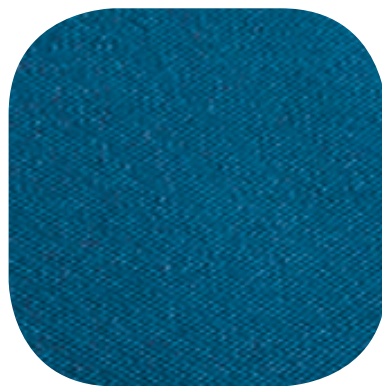
**Item Description:** Electrical Safety Flooring as per American Standard

The rubber insulating mattings are manufactured as per the **ASTM D 178 standard set by the American Society for Testing and Materials** and are highly electrical resistant. These non-conductive mats insulate and protect from mortal shocks generated by high voltage equipment.

The standard recommends thickness from 3.2mm to 12.7mm depending on use/working voltage resistance with anti-skid textured surface on top and smooth lower surface. These (Type-I grade) are leakage, moisture and water proof that guarantee long functional life. Type-II grade offers additional properties such as ozone, flame and oil resistance. **Manufacturer's Test Certificate is provided along with the supply.**

**Application:**

- Electric Substations
- Near HT/LT Control Panels
- In front of Switchboards
- Around Buss Bars
- Transformer, Generator & Lift Rooms
- For Outdoor/Indoor Onsite Engineering Work Live Equipment



**Blue Colour Mat**



**Black Colour Mat**

Product Code	Class	Recommended Thickness	Max Use/ Working Voltage	AC Proof Voltage	Di-electric Strength (Withstand Voltage)	Approx Weight Per Sqr Mtr.
ASTM 001	0	3.2 mm	1.0 KV	5.0 KV	6.0 KV	5.0 Kgs
ASTM 002	1	4.8 mm	7.5 KV	10.0 KV	20.0 KV	7.5 Kgs
ASTM 003	2	6.4 mm	17.0 KV	20.0 KV	30.0 KV	10.0 Kgs
ASTM 004	3	9.5 mm	26.5 KV	30.0 KV	40.0 KV	15.0 Kgs
ASTM 005	4	12.7 mm	36.0 KV	40.0 KV	50.0 KV	20.0 Kgs
ASTM CD (Custom)	-	Upto 25.0 mm	Upto 36.0 KV	Upto 40.0 KV	Upto 50.0 KV	-

**PRODUCT INFORMATION SHEET**

Sl No.	Characteristics	Values	
		Type-I	Type-II
1	Material Composition	Elastomer free from any insertion. Typically, a combination of natural rubber and other synthetic polymers.	
2	Tensile strength (T.S.)	4.83Mpa (min.)	
3	Elongation at Break (E.B.)	250% (min.)	
4	Ageing Properties at 70±1°C for 168 hours.	Tensile strength not less than 50% of original value.	
5	Moisture Absorption	1.5% (max.)	3.0% (max.)
6	Ozone Resistance (Type IIA)	N.A.	No visible effect.
7	Flame Resistance (Type IIB)	N.A.	12.7 mm height max. after 30 secs.
8	Oil Resistance (Type IIC)	N.A.	4% max. volume increase.

<b>Standard Size &amp; Design</b>	1) 1.0 Mtr. Wide x 10.0 Mtr. Long in Texture Design. 2) 1.2 Mtr. Wide x 10.0 Mtr. Long in Texture Design.
<b>Custom Size &amp; Design</b>	Max. width upto 2400mm, length upto 20M and thickness upto 25mm available in Texture Design only.
<b>Standard Colour</b>	Black & Blue without Metallic Derivatives. (Other colours available on request subject to availability.)
<b>Manufacturing Tolerance</b>	±10% on thickness, ±5% on length, ±2% on width.

<b>Note</b>	Unless specified, insulating matting shall be supplied as per Type I grade. Also available on request, Type II grade (A-Ozone Resistance, B-Flame Resistance, C-Oil Resistance) with combination of all three or individual properties.
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<b>Minimum Ordering Information Required</b>	<ul style="list-style-type: none"> <li>• Class</li> <li>• Working Voltage</li> <li>• Thickness</li> <li>• Dimension (Length x Width)</li> <li>• Total Quantity Required</li> <li>• Colour</li> <li>• Type</li> </ul>
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The data on this page represent typical values. Since application variables are a major factor in product performance, this information should serve only as a guideline. We assume no obligation or liability for use of this information. Unless we agree otherwise in writing, we make no warranties, express or implied, and disclaim all implied warranties. We shall not be liable for any special, incidental or consequential damages. We reserve the right to change product design and properties without notice.