OMEGA
OMEGA ELECTRICALS

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INSULATING MATS
IEC61111-2009 CLASS4
MAXUSEVOLTAGE:36000V
PROOF VOLTAGE:40000V
WITHSTAND VOLATGE:50000V



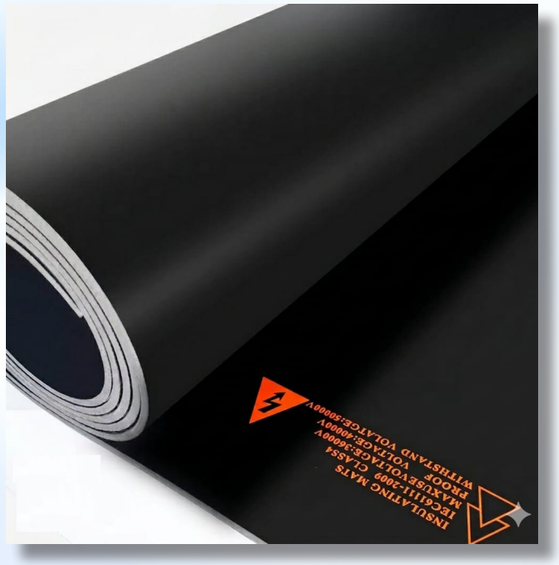


ELECTRICAL INSULATION MATS

omegaelectricals.com
sales@omegaelectricals.com

Insulating Rubber Sheet

AS PER IEC 61111 STANDARD



- Physical mechanical performance is good, with excellent insulation performance, and can work in an environment with high air intermediary electrical coefficients that are dry-35 ~+100 °C.
- Applicable to the laying and installation of the ground and the ground of the power station and the floor of the electronic venue workbench and ground.
- It is widely used in the use of substations, power plants, power distribution rooms, laboratories, and fields in the wild.
- It should be stored in a dry and ventilated environment, stay away from the heat source, and leave the ground and the wall of 20cm. Avoid pollution of acid -alkali and oil, do not prevent direct sunlight from open air.

TECHNICAL SPECIFICATIONS

Physical Property	Gravity	Standard	ZXFR -1.5
Gravity	G/cm3	ASTM D397	1.5±0.05
Hardness	Shore A	ASTM D2240	65±5
Tensile Strength	Mpa	ASTM D412	2
Elogation	%	ASTM D412	200
Working Temperature	%	UL 94	VO

STANDARD SIZE

- Thickness:1mm-100mm.
- Width: 1m /1.2m/1.4m/1.5m/1.6m/1.8m/2.0m.
- Standard Length:5m /10m /15m /20m.

APPLICATION

- Gasket and seals
- Protective pads
- Conveyor belts

KEY FEATURES

- Excellent resistance to flame.
- Good resistance to alkalis and acids.
- Good resistance to aging and ozone
- Moderate oil resistance
- Moderate abrasion

TECHNICAL SPECIFICATIONS

Thickness	Gravity	Standard	Weight	Class	Ac Voltage	Proof Voltage	Withstand Voltage
3	1.5	IEC 61111	4.5	0	1	5	10
4	1.5	IEC 61111	6	0	1	5	10
5	1.5	IEC 61111	7.5	0	1	5	10
6	1.5	IEC 61111	9	0	1	5	10
3	1.5	IEC 61111	4.5	1	7.5	10	20
4	1.5	IEC 61111	6	1	7.5	10	20
5	1.5	IEC 61111	7.5	1	7.5	10	20
6	1.5	IEC 61111	9	1	7.5	10	20
7	1.5	IEC 61111	10.5	2	17	20	30
9	1.5	IEC 61111	12	2	17	20	30
8	1.5	IEC 61111	13.5	3	26.5	30	40
10	1.5	IEC 61111	15	3	26.5	30	40
11	1.5	IEC 61111	16.5	3	26.5	30	40
12	1.5	IEC 61111	18	4	36	40	50
13	1.5	IEC 61111	19.5	4	36	40	50
14	1.5	IEC 61111	21	4	36	40	50



FR Rubber Sheet



FLAME-RETARDANT RUBBER SHEET

- The flame retardant grade increases gradually from HB, V-2, V-1 to V-0:
- HB: The bottom level for UL94. For samples 3mm - 13 mm, the burning speed <40 mm/minute, thickness< 3 mm, the combustion speed <70 mm/ minute.
- V-2: After testing for two 10s of combustion, the flame was extinguished within 60s.
- V-1: After testing for two 10s of combustion, the flame was extinguished within 60s. no combustion.
- V-0: After testing for two 10s of combustion, the flame was extinguished within 30s. no combustion.



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Contact us

+91-9506631786

sales@omegaelectricals.com

www.omegaelectricals.com

Head Office: Wdhawa wise city unit - 907, Navi Mumbai, Maharastra, India.

Registerd Office: Omega Complex, Chak, Hari Har VAN Lilapur, Jhunsi Prayagraj - 211019, India.

