

VoltaSchutz Mat V42

Electrical insulating mat for protection against high voltage electrical shocks

DESCRIPTIONS:

VoltaSchutzMat V42 is an electrical insulating mat based on (Chloroprene) Rubber used for floor covering in front of switchboards or high voltage equipment to protect work force against deadly electrical shocks. The essential properties of VoltaSchutzMat V42 are its strong properties of Insulation and therefore protection against high voltage electrical shocks up to 26.5 kV according to the IEC 61111 International Standard with 4mm tickness.

APPLICATIONS:

VoltaSchutzMat V42 is used for floor covering in high voltage areas, fuse boxes, control panels, power stations, high voltage panels, sub-stations, power transformer rooms, LT & HT labs, sub-bars and ship decks.

GENERAL PROPERTIES:

Properties	Unit	Value	Standard
Hardness Shore	A	65 ± 5	ISO 7619-1/3 S
Tensile Strength	N / mm ²	>8	ISO 37
Elongation at Break	%	>500	ISO 37
Density	g / cm ³	1.66 ± 0.02	DIN EN ISO1183/ISO 2781
Tear Strength	[N/mm]	>12.0	DIN ISO 34 -1A
Compression Set	%	< 30	ISO 815
Availble Colors	-	Grey	IEC 61111
Ozone Resistance	-	Not Ozone Resistant	ISO 1431- 1
Tempreture Resistance	°C	-35 °C bis +90 °C	-
Available Finishes	-	Mosaic / Smooth	-
Fire Resistance	-	FMVSS 302	DNI [Non flammable]
Spec Volume Resistance	Ω Cm	Isolating	VDE 0303-30

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ADVANTAGES:

- ⚡ High dielectric strength up to 26.5 kV
- ⚡ Applicable for both AC & DC electrical insulation
- ⚡ Fire retardant, self-extinguishing properties
- ⚡ Applicable for all fields of generation, transferring, distribution and consumption of electricity
- ⚡ Water and moisture resistance
- ⚡ Appropriate anti-skid properties
- ⚡ Excellent resistant against tearing and scratching
- ⚡ Exhibit good elongation & tensile strength properties
- ⚡ Manufactured without any metallic derivatives or carbon additives

SEGMENTATIONS:

Product Code	Specification	Working Voltage	Marking Colorcode	Thickness
VoltaSchutzMat V42	IEC 61111: Class 3	26500 A.C V(r.ms) 39750 D.C V	Grey	4.0 mm

INSTALLATION:

VoltaSchutzMat V42 can be installed on the floor with or without glue depending on the working conditions.

PACKING AND STORAGE:

VoltaSchutzMat V42 is supplied in 1 m width rolls; the length varies as per requirements. The rolls are packed in non-stackable pallets and should be stored vertically.

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