



ELECMAT Dielectric matting

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TECHNICAL MATTING: ELECTRIC INSULATION

FEATURES

Fine or wide grooved or checkered pattern.

ADVANTAGES

- Electric insulation
- Noise, vibration, and cold propagation reduction
- Non-slippery
- Acoustic insulation
- Excellent walking and standing comfort

BENEFITS

- Safety
- Comfort
- Service life

APPLICATIONS

Prevention of electric shock risk around high voltage electrical equipment, such as fuse boxes, control panels, switchgear and heavy machinery.

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
MECHANICAL				
	<i>Rubber compound</i>		SBR NR	
	<i>Hardness</i>	ASTM D2240	70 ±5	Shore A
	<i>Abrasion resistance (5N)</i>	ISO 4649	≤200	mm ³
	<i>Residual indentation</i>	EN ISO 24343	≤0.15	mm
	<i>Dimensional stability</i>	EN ISO 23999	±0.3	%
	<i>Sound insulation</i>	ISO 10140-3	12	dB
CHEMICAL RESISTANCE				
	<i>Common cleaning products</i>	EN 423	Good	

PROFILE	PATTERN
	<p>Fine triangular ribbed (MT)</p>
	<p>Wide ribbed M39 (MG)</p>
	<p>Checker (MK)</p>

DIMENSIONS

Colour	Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	Pattern	Dielectric strength
●	3	1000 ±2%	10 ±2%	3.7	MT	30KV
●	3	1200 ±2%	10 ±2%	3.7	MT	30KV
●	4.5	1000 ±2%	10 ±2%	6.2	MT	50KV
●	4.5	1200 ±2%	10 ±2%	6.2	MT	50KV
●	5	1200 ±2%	10 ±2%	6.1	MG	50KV
●	3	1400 ±2%	10 ±2%	4.1	MK	30KV

Depending on the manufacturing process there could be differences in some tonalities of the roll colours. Colours of the sample kits and catalogues has to be considered as indicative.

IDENTIFICATION

<i>Branding</i>	Fine ribbed: without branding or branded 30KV or 50KV following IEC EN 60243-1. Wide ribbed: without branding. Checker: branded 30KV following IEC EN 60243-1.
<i>Back face</i>	Fabric impression.
<i>Packaging</i>	Rolled on cardboard tube Ø 80mm.
<i>Wrapping</i>	Black polyethylene film.
<i>Labelling</i>	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.