



ELECMAT Dielectric matting

03/07/2014

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.

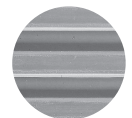
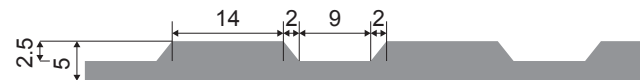
www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

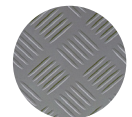
	Measured characteristics	Standard	Value	
MECHANICAL	<i>Rubber compound</i>		SBR/NR	
	<i>Hardness</i>	ASTM D2240	70 ± 5	Shore A
	<i>Abrasion resistance (5 N)</i>	ISO 4649	≤ 200	mm ³
	<i>Residual indentation</i>	EN ISO 24343	≤ 0.15	mm
	<i>Dimensional stability</i>	EN ISO 23999	± 0.3	%
	<i>Sound insulation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



Fine triangular ribbed (MT)



Wide ribbed (MG)



Checker (MK)

DIMENSIONS

Colour	Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m ²)	Pattern	Dielectric strength
●	3	± 0.3	1000	± 2 %	10	± 2 %	3.7	MT	30 KV
●	3	± 0.3	1200	± 2 %	10	± 2 %	3.7	MT	30 KV
●	4.5	± 0.4	1000	± 2 %	10	± 2 %	6.2	MT	50 KV
●	4.5	± 0.4	1200	± 2 %	10	± 2 %	6.2	MT	50 KV
●	5	± 0.4	1200	± 2 %	10	± 2 %	6.1	MG	50 KV
●	3	± 0.3	1400	± 2 %	10	± 2 %	4.1	MK	25 KV

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: branded 30 KV or 50 KV following IEC EN 60243-1. Wide ribbed: without branding. Checker: without branding.
<i>Back face</i>	Fabric impression.
<i>Packaging</i>	Rolled on cardboard tube Ø 80 mm.
<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.