

RT-MAT70-RF-GB-EL

Matting · fine rib, electrical insulating · grey / black · 70 Sh A

Product overview

Material family	Matting
Colour	Grey / black
Available thicknesses	3 · 4.5 mm
Roll width	1200 mm
Roll length	10000 mm
Typical use	Anti-slip / anti-vibration matting, cut to size.

Certifications & compliance

- Electrical insulating matting according to IEC 61111 — class 2 and 4
- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity		1.50
Hardness		70 Sh A
Tensile strength (min)		50 kg/cm ²
Elongation at break (min)		250 %
Surface finish		Fine rib / fabric finish / smooth
Electrical and mechanical properties	IEC 61111:2009	
Mechanical puncture (cl. 5.5.2)		Min. 70 N
Slip resistance (cl. 5.5.3)		Average force > 50 N
Dielectric tests (cl. 5.6.2.2 / 5.6.2.3)		Proof test · withstand test
Class 0		5 kV, 3 min · 10 kV, no puncture
Class 1		10 kV, 3 min · 20 kV, no puncture
Class 2		20 kV, 3 min · 30 kV, no puncture
Class 3		30 kV, 3 min · 40 kV, no puncture
Class 4		40 kV, 3 min · 50 kV, no puncture
Ageing 70 ± 2 °C / 168 h (cl. 5.7): mechanical puncture		Min. 80 % of original value
Flame retardance (cl. 5.8.1)		No propagation beyond 50 mm diameter from centre
Low temperature, 4 h at -25 ± 3 °C (cl. 5.8.2)		No cracks · no electrical puncture
Sulphuric acid 37.26 %, 8 h at 23 ± 2 °C (cl. 5.9)		No electrical puncture · puncture resistance min. 75 %
Oil, liquid 102 (Annex E), 24 h at 70 ± 2 °C		No electrical puncture · puncture resistance min. 75 %