

RT-MAT70-CP-OG-EL

Matting · insulating carpet · orange · 70 Sh A

Product overview

Material family	Matting
Colour	Orange
Available thicknesses	1.6 mm
Roll width	1000 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 0
- REACH, RoHS and PAH compliant

Technical properties

Property	Test method	Typical value
Specific gravity	ASTM D297	1.15 ± 0.05
Hardness	ISO 48-4 / ASTM D2240	70 ± 5 Sh A
Tensile strength (min)	ISO 37 / ASTM D412	2275 PSI / 160 kg/cm ²
Elongation at break (min)	ISO 37 / ASTM D412	600 %
Tear resistance (angular) min	ISO 34-1 / ASTM D624	129 lbs/inch / 23 kg/cm
Compression set (70°C/24 h/25% compression) (max)	ISO 815-1 / ASTM D395 METHOD B	40%
Change in properties after heat ageing for (72 h at 70 °C)	ASTM D573	
Hardness (pts)		+ 5 (max)
Tensile strength (%)		+10 / - 20
Elongation at break (%)		+10/-20
Volume swell: at 70°C for 72 h	ASTM D471	
In IRM oil No. 901		Not recommended
In IRM oil No. 902		Not recommended
In IRM oil No. 903		Not recommended
Chemical resistance		
Ozone	ISO 1431-1 / ASTM D1149	Fair
Dilute acids and bases		Good
Concentrated acids and bases		Not recommended
Oils		Not recommended
Solvents		Not recommended
Temperature range		-40 °C to +70 °C
Breakdown voltage(3mm)	IEC 61111	No breakdown at 10 kV