

# 3 mm smooth matt grey electrostatic dissipative rubber floor mat

*Resistant to welding and abrasive products*

**soluciones**  
**electroestáticas**

## 1. Description

Double-layer rubber mat, resistant to welding and abrasive products. The black lower face is electrostatically conductive and the grey upper face is electrostatically dissipative. The coating is designed to prevent electrostatic discharges by draining the electrostatic charge acquired by personnel and ESD-sensitive devices in a controlled and safe manner to ground.

The material has two layers to ensure that when used as a mat, the current flows through the lower face of the mat rather than the upper face, which is in contact with the ESD-sensitive device, as the black lower face is electrostatically conductive and the grey upper face is electrostatically dissipative.



Excellent price-quality ratio, providing durability, an attractive appearance and permanent electrical properties. It doesn't flake and can be installed by simple laying it down, or by fixing it with double-sided tape or glue.

It can be used as a mat to cover any surface where an ESD-sensitive device can be placed, and as a floor mat to cover insulating flooring and transform it into electrostatic dissipative flooring.

## 2. Properties

|                                                                    |                                                                                                                                                    |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Roll dimensions</b>                                             | 1,22 m x 10 m (width x length. Rolls cut to lengths in multiples of 1 m are available)                                                             |
| <b>Thickness</b>                                                   | 2 mm mat and 3 mm floor mat. 0,5 mm (upper face) + 1,5-2,5 mm (lower face)                                                                         |
| <b>Dimensions with packaging</b>                                   | 123 x 23 x 23 cm                                                                                                                                   |
| <b>Roll weight</b>                                                 | 55,5 kg                                                                                                                                            |
| <b>Material</b>                                                    | High-quality rubber, 100% butadiene nitrile. Dimensionally stable, lies flat without lifting at the edges. Minimal curvature                       |
| <b>Earth grounding resistance [UNE EN 61340-5-1]</b>               | $R_g < 9,5E+07 \Omega$                                                                                                                             |
| <b>Earth grounding resistance of the personal + coating system</b> | $< 3,5E+07 \Omega$                                                                                                                                 |
| <b>Surface resistance [UNE EN 61340-5-1]</b>                       | Grey upper face, electrostatically dissipative: $R_s = 1,30E+07 \Omega$<br>Black lower face, electrostatically conductive: $R_s = 2,88E+04 \Omega$ |
| <b>Decay time</b>                                                  | $< 0,5 \text{ s}$                                                                                                                                  |
| <b>Insulation resistance</b>                                       | $> 4E+04 \Omega$                                                                                                                                   |
| <b>Environmental conditions</b>                                    | Not humidity dependent. Provides constant electrical values regardless of ambient humidity                                                         |
| <b>Colour</b>                                                      | Grey upper face, black lower face                                                                                                                  |
| <b>Finish</b>                                                      | Matt / smooth                                                                                                                                      |
| <b>Abrasion with 5N load</b>                                       | $180 \text{ mm}^3$                                                                                                                                 |
| <b>Maximum temperature</b>                                         | 300°C                                                                                                                                              |
| <b>Manipulation</b>                                                | Easy to handle and cut with a cutter                                                                                                               |
| <b>Odour</b>                                                       | Odourless                                                                                                                                          |

| Code      | Description                |
|-----------|----------------------------|
| 911.10158 | Dissipative floor mat roll |

| Code      | Optional accessories                                                  |
|-----------|-----------------------------------------------------------------------|
| 617.47619 | Copper adhesive tape 0,15 x 19 mm x 50 m                              |
| 615.00015 | 10 mm M pyramid grounding cable for mat + 4,5 m banana terminal       |
| 615.00063 | 10 mm H clip with legs for connecting grounding cable to mat / carpet |
| 911.10001 | Anti-static floor grounding                                           |
| 911.10002 | Double-sided tape 50 mm x 25 m                                        |
| 911.10020 | Conductive adhesive for vinyl floors                                  |



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