

3 mm smooth matt grey electrostatic dissipative rubber floor mat

Resistant to welding and abrasive products

911.10158 datasheet

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

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