ESD - FLOOR MAT

Rubber floor matting/floor covering made of two layers, calendered and vulcanized together, for ESD applications. The top layer is static-dissipative, with a dotted design given by interspersed multi-coloured small chips; the bottom layer is black, conductive.

- ✓ 100% **PVC-FREE** and **PHTALATE-FREE**
- ✓ Embossed reflection breaking surface to **reduce glare** and improve operator comfort
- ✓ Protection against small collisions thanks to **natural resilience** of rubber
- ✓ Prevention of sliding of delicate components thanks to the **eccellent friction coefficient**
- ✓ Heating resistance: rubber **does not melt and does not burn** coming into contact with hot metal parts or soldering debris
- ✓ Suitable **to loose laying**: this product does not require application with adhesive (under light traffic only)
- ✓ Excellent **flexibility**, **comfort, chemical** and **oil resistance**

Characteristics	**Standard**	**Unit**	**Average values from production**
Rgp - resistance to a groundable point	EN 61340-4-1	ohm	$\leq 1 \times 10^9$
Rg - system Resistance (person, esd shoes, floor, groundable point)	EN 61340-4-5	ohm	$\leq 1 \times 10^9$ (*) $\leq 3{,}5 \times 10^7$ (*)
Up - Body voltage walking test with esd shoes	EN 61340-4-5	volts	< 100 (*)
Hardness	ISO 7619	shore A	85
Residual indentation	EN 433	mm	< 0,20
Abrasion resistance	ISO 4649 (Met. A - 5N)	mm^3	< 200
Flexibility	EN 435 Met. A (Ø 20mm)	-	comply
Cigarette burn	EN 1399	-	no burn
Fire behaviour	EN 13501-1	class	C_{fl} – s1
Slip resistance, dynamic COF	EN 13893	-	> 0,30
Resistance to stains	EN 423	-	resistant (**)
Ramp slip resistance	DIN 51130	°	R9
Resistance to oils and greases (IRM 901-902 oils)	ISO TR 7620 336 hours at 40°C	-	minor effect in change in volume, mass, hardness

(*) The flooring is only one of the several resistances involved, and so we cannot guarantee the full Rg system-resistance itself: it is influenced also by the person, way of dressing, way of moving/walking, type of shoes (dissipative or conductive or heel grounder), etc. The ESD-Coordinator has to control the whole matter and to make sure all of your ESD/EPA areas are under one of the above two option prescribed by the EN 61340-5-1 AND ANSI/ESD S20.20

(**) depending on concentration and time of contact, for specific agent please ask.

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