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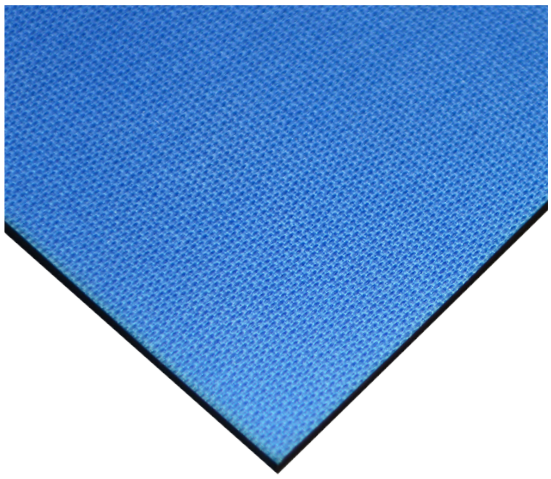
ESD & CLEANROOM SOLUTIONS



# ESD Anti-Slip Matting

**TECHNICAL** DATASHEET

## DESCRIPTION

This multi-purpose anti-static mat provides a stable, secure surface for workstation benches. Featuring a textured rubber finish on both sides, it delivers superior slip resistance to keep tools and sensitive components firmly in place — reducing the risk of damage and improving safety during detailed handling and assembly.

## FEATURES

- Made from conductive and static-dissipative synthetic rubber
- Easy to clean, sweep or hose off
- Blue surface with black textured bottom surface
- Pre-cut matting comes with 4 x 10mm studs, 1 in each corner

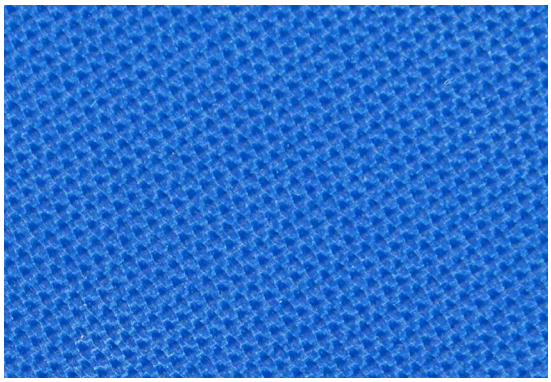
## VARIATIONS

| PRODUCT CODE | SIZE (METRIC) | SIZE (IMPERIAL) | UNIT |
|---|---|---|---|
| 082-0066 | 1.2m x 12m | 3.9ft x 39.4ft | Roll |
| 082-0068 | 600mm x 1.2m | 23.62in x 3.9ft | Pre-Cut |

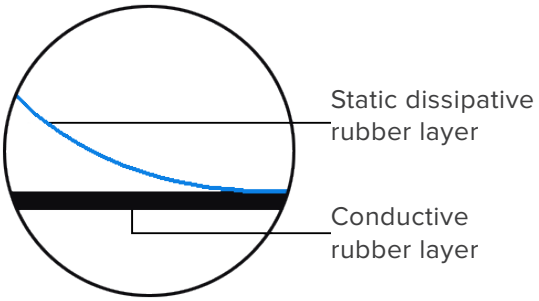
## TECHNICAL SPECIFICATIONS

| PROPERTIES | RESULT |
|---|---|
| Material | Rubber |
| Thickness | 3mm |
| Surface | Textured |

## DETAIL VIEW



## LAYERS

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## GROUNDING

Sufficient ground cords should be used to reliably meet EN 61340-5-1 Table 3: less than 1 x $10^9$ ohms for working surfaces. Industry recommendation is that continuous runs of ESD matting should be grounded at 10ft intervals to allow proper charge decay rates. Each individual ESD mat should be grounded with ground snaps located no further than five feet from either end.

## GUIDANCE ON USE

Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Matting should always be trimmed with a sharp knife or razor blade.

## CUTTING TOLERANCES

- Width ± 6mm
- Length ± 6mm every linear foot of running material

## RoHS COMPLIANCE

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1.

## CLEANING

Contacting the matting surface with the Acid and Alkali solvent is strictly prohibited, (such as Benzene, Alcohol etc). Doing so might result in the Matting antistatic performance wearing away. If you do need to clean the mat, use a cloth coated with a neutral solution (such as water, etc.).

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## TEST RESULTS

| CHARACTERISTIC | STANDARD | RESULTS* |
|---|---|---|
| Surface Resistance (Top Layer) | IEC 61340-4-1 | $1x10^7$—$1x10^9$ ohms |
| Surface Resistance (Bottom Layer) | IEC 61340-4-1 | $1x10^3$—$1x10^5$ ohms |
| Volume Resistance | IEC 61340-4-1 | $1x10^6$—$1x10^8$ ohms |
| Resistance to Ground | EN 100015-1 | $1x10^6$—$1x10^8$ ohms |
| | EOS/ESD S11-11 | $1x10^6$—$1x10^8$ ohms |
| Charge Decay | FED TM 101C (5000V-50V) | ≤0.01sec |
| Hardness | ISO 7619 | 70±5 shore A |
| Abrasion Resistance | ISO 4649, method A | ≤200mm3 |
| Cigarette burning resistance | EN1399 | No burn |
| Chemical resistance | EN423 | Resistant to chemical agents normally used for maintenance |
| Dimensional Stability | EN424 - 6h/80°C | ≤0.4% |

***Tester:**

ETS 406C Static Decay Meter, 3M Model 701 Test Kit for Static Control Surfaces

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