

FEATURES

- RS PRO Electrostatic Discharge Safe (ESD-Safe) bench mat
- Made from neoprene rubber for solder iron resistance
- Thickness of 2 mm
- Length of 1.2 m
- Width of 600 mm
- Surface resistance of $3.3 \times 10^8 \Omega$
- Conform to IEC 61340-2-3 and IEC 61340-4-1

Bench/Floor ESD-Safe Mat, 1.2m x 600mm x 2mm

RS Stock No.: 787-3136



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Designed to help prevent damage to sensitive items and assemblies from Electrostatic Discharge (ESD), these mats from RS PRO are a must-have for any EPA (ESD protected area) cleanroom. The mats drain static charge, ground the electronic item and protect surfaces from wear.

The ESD-safe mats are made from anti-static neoprene rubber that offers solder iron resistance. Black in colour, they have an embossed surfaced texture and low reflectivity to reduce strain on the eyes. These mats are easy to clean. They conform to IEC 61340-2-3 and IEC 61340-4-1, which are the recognised international standards for EPAs.

General Specifications

Use Type	Bench, Floor
Suitable For	Bench, Floor Mat
Colour	Black
Complies with EN 61340-5-1	No
Surface Texture Type	Embossed
Material	Neoprene
Number Of Material Layers	1
Applications	Table top or work surface applications

Electrical Specifications

Resistance	$3.3 \times 10^8 \Omega$
Surface Resistance	$3.3 \times 10^7 \Omega$
Volume Resistance	$8.5 \times 10^6 \Omega$

Mechanical Specifications

Size	1.2m x 0.6m
Length	1.2m
Width	600mm
Thickness	2mm

Approvals

Compliance/Certifications	CE, IEC 61340-2-3 and IEC 61340-4-1
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1) Bench applications

Test Results	Ω
Surface resistance R_s	3.3×10^7
Volume resistance R_v	8.5×10^6
Surface resistivity ρ_s	3.3×10^8
Volume resistivity ρ_v	1.3×10^4
Resistance to groundable point R_{gp}	7.7×10^7
Resistance point to point R_{p-p}	9.9×10^6

Conforms to IEC 61340-2-3

2) Floor Applications

Test Results	Ω
Resistance to groundable point R_{gp}	8.9×10^7
Resistance point to point R_{p-p}	1.3×10^7
Vertical resistance R_{vert}	2.2×10^6