ESDBEST ESD Bench Mat Technical Datasheet

Professional Two-Layer Rubber ESD Bench Mat for Electronics Manufacturing & PCB Assembly

1. Product Overview

ESDBEST two-layer rubber ESD bench mats are designed to provide a controlled static-dissipative work surface for electronics manufacturing, PCB assembly, laboratories, cleanrooms and repair stations. The top layer dissipates electrostatic charges while the conductive bottom layer transfers the charge safely to ground when used with a grounding cord.

2. Typical Applications

- PCB assembly and SMT production
- Electronics repair benches
- Laboratories
- Semiconductor production
- Cleanrooms
- Quality inspection areas

3. Technical Specifications

Item	Specification
Construction	2-layer rubber
Top Layer	Static dissipative
Bottom Layer	Conductive
Standard Thickness	2.0 mm (typical)
Surface Resistance (Top)	10^6 – 10^9 Ω
Bottom Layer Resistance	10^3 – 10^5 Ω
RTG	Per ANSI/ESD S20.20 test method
Colors	Blue, Green, Gray, Black (subject to production)
Roll Width	0.6 / 0.9 / 1.0 / 1.2 m
Length	10 m standard; custom available
Operating Temperature	Indoor industrial environment
Compliance	ANSI/ESD S20.20, IEC 61340-5-1, RoHS (where applicable)

4. Installation & Grounding

Install the mat on a clean, dry workbench. Attach the grounding snap securely, connect an approved grounding cord, and bond the cord to a verified EPA ground point. Verify continuity and resistance before production.

5. Cleaning & Maintenance

Clean routinely using an ESD-safe mat cleaner or mild neutral detergent. Avoid waxes, silicone-based products, strong solvents and abrasive cleaners. Verify electrical resistance periodically using an ESD resistance meter.

6. Ordering Information

Custom sizes, colors, logos, grounding snaps, packaging and OEM branding are available upon request.

Contact

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