FS Series - 2-Layer Dissipative/Conductive Rubber Matting, .080" Thick

Sierra™ FS Series matting is a 2-layer smooth economy grade rubber matting that is designed to be used on workbenches and ESD-safe test stations. The top layer of this mat is composed of nitrile rubber and polyvinyl chloride. The bottom is composed of reclaimed rubber and styrene-butadiene rubber. This material meets the ANSI/ESD S541-2003 standard for resistance and the federal standard 101 method 4046 for static decay. The top layer is static dissipative in order to reduce the risk of damage from placing a charged static sensitive device directly onto a conductive surface which could result in an ESD event. The bottom layer is conductive and quickly drains the static charge through a snap and ground wire to the connected electrical or earth ground.

Sierra™ FS matting withstands most common solvents associated with electronics production, service and repair. It will withstand the heat associated with soldering and will not melt if you accidentally place your iron onto your mat. Due to the chemical bond and how the material is made, it will not curl or delaminate. The FS material also has excellent abrasion and tear resistance.

Worktop kits come precut to different sizes and include all you need to ground yourself and prevent damage to your ESD susceptible devices. Two snaps come pre-installed on the mats, a ground cord, wrist strap and coil cord come rolled up on the inside of the mat. Custom size mats are also available (call or e-mail our Customer Service Department to inquire).

No hardware included with rolls

Snaps, Ground Cord & Wrist Strap included with worktops

Product Specifications

Electrical Properties	Test Results
RTT (Point to Point)	1×10^6 to 9×10^8 ohms
RTG (Point to Ground)	1×10^7 to 9×10^8 ohms
Surface Resistance	Top layer: $<10^7$ ohms Bottom layer: $<10^4$ ohms
Decay Rate	5kv to 50v in less than .1 seconds

Physical Properties	Test Results
Thickness	.080" (2 mm)
Surface Texture	Smooth
Available Colors	Blue or Grey

Worktop Kits

Mat Size	Blue Part No.	Grey Part No.
24" x 36"	FSW100B	FSW100G
24" x 48"	FSW110B	FSW110G
24" x 60"	FSW120B	FSW120G
24" x 72"	FSW130B	FSW130G
30" x 60"	FSW140B	FSW140G
30" x 72"	FSW150B	FSW150G
30" x 96"	FSW170B	FSW170G
36" x 72"	FSW160B	FSW160G

Full Rolls

Roll Size	Blue Part No.	Grey Part No.
24" x 40'	FS200B	FS200G
30" x 40'	FS210B	FS210G
36" x 40'	FS220B	FS220G
48" x 40'	FS4840B	FS4840G

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