



## FT Series - Heavy Duty 2-Layer Dissipative/Conductive Rubber Matting, .080" Thick

Sierra™ FT Series matting is a 2-layer textured heavy-duty 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 the bottom is composed of natural 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™ FT 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 FT material also has excellent abrasion and tear resistance.

Worktop kits come pre-cut 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 x 10 <sup>7</sup> to 9 x 10 <sup>8</sup> ohms
RTG (Point to Ground)	1 x 10 <sup>7</sup> to 9 x 10 <sup>8</sup> ohms
Surface Resistance	Top layer: <10 <sup>7</sup> ohms Bottom layer: <10 <sup>4</sup> ohms
Decay Rate	5kv to 50v in less than .1 seconds

Physical Properties	Test Results
Thickness	.080" (2 mm)
Surface Texture	Textured
Material Composition:	
Top Layer	Nitrile Rubber (NBR)
Bottom Layer	Natural Rubber and Styrene-Butadiene Rubber (SBR)
Available Colors	Blue, Dark Blue, Grey, Green

### Worktop Kits

Mat Size	Blue Part No.	Dark Blue Part No.	Grey Part No.	Green Part No.
24" x 36"	<a href="#">FTW100B</a>	<a href="#">FTW100DB</a>	<a href="#">FTW100G</a>	<a href="#">FTW100GN</a>
24" x 48"	<a href="#">FTW110B</a>	<a href="#">FTW110DB</a>	<a href="#">FTW110G</a>	<a href="#">FTW110GN</a>
24" x 60"	<a href="#">FTW120B</a>	<a href="#">FTW120DB</a>	<a href="#">FTW120G</a>	<a href="#">FTW120GN</a>
24" x 72"	<a href="#">FTW130B</a>	<a href="#">FTW130DB</a>	<a href="#">FTW130G</a>	<a href="#">FTW130GN</a>
30" x 60"	<a href="#">FTW140B</a>	<a href="#">FTW140DB</a>	<a href="#">FTW140G</a>	<a href="#">FTW140GN</a>
30" x 72"	<a href="#">FTW150B</a>	<a href="#">FTW150DB</a>	<a href="#">FTW150G</a>	<a href="#">FTW150GN</a>
36" x 72"	<a href="#">FTW160B</a>	<a href="#">FTW160DB</a>	<a href="#">FTW160G</a>	
30" x 96"	<a href="#">FTW170B</a>	<a href="#">FTW170DB</a>	<a href="#">FTW170G</a>	<a href="#">FTW170GN</a>

### Full Rolls

Roll Size	Blue Part No.	Dark Blue Part No.	Grey Part No.	Green Part No.
24" x 40'	<a href="#">FT200B</a>	<a href="#">FT200DB</a>	<a href="#">FT200G</a>	<a href="#">FT200GN</a>
30" x 40'	<a href="#">FT210B</a>	<a href="#">FT210DB</a>	<a href="#">FT210G</a>	<a href="#">FT210GN</a>
36" x 40'	<a href="#">FT220B</a>	<a href="#">FT220DB</a>	<a href="#">FT220G</a>	
48" x 40'	<a href="#">FT4840B</a>	<a href="#">FT4840DB</a>	<a href="#">FT4840G</a>	

The values shown above were taken from random samples from material we believe to be typical for the product; however, actual values may vary somewhat from those listed above. All-Spec Industries makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own initial criteria and testing.



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### CHEMICAL RESISTANCE CHART

Chemical	5 minutes	1 hour	2 hours	24 hours
Acetic Acid	No Alteration	No Alteration	No Alteration	No Alteration
Ammonia (10%)	No Alteration	No Alteration	No Alteration	No Alteration
Carbonated drinks	No Alteration	No Alteration	No Alteration	Appearance Alteration
Citrate Acid	No Alteration	No Alteration	No Alteration	Appearance Alteration
Coffee	No Alteration	No Alteration	No Alteration	Appearance Alteration
Ethyl Alcohol (50%)	No Alteration	No Alteration	No Alteration	No Alteration
Hydrochloric Acid (10%)	No Alteration	Electrical Alteration	No Alteration	No Alteration
Hydrogen Peroxide	No Alteration	No Alteration	No Alteration	No Alteration
Mesitylene	No Alteration	Appearance Alteration	No Alteration	No Alteration
Nitric Acid (10%)	No Alteration	No Alteration	No Alteration	Electrical Alteration & Appearance Alteration
Oil ASTM 1	No Alteration	No Alteration	No Alteration	Appearance Alteration
Oil ASTM 2	No Alteration	No Alteration	No Alteration	Appearance Alteration
Perchloroethylene	No Alteration	No Alteration	No Alteration	Appearance Alteration
Petroleum	No Alteration	No Alteration	No Alteration	Appearance Alteration
Sulfuric Acid (10%)	No Alteration	No Alteration	No Alteration	No Alteration
Sodium Carbonate	No Alteration	No Alteration	Electrical Alteration	Hardness Alteration
Sodium Hydrate (10%)	No Alteration	No Alteration	No Alteration	Electrical Alteration & Appearance Alteration
Sodium Hypochlorite	No Alteration	No Alteration	No Alteration	No Alteration

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