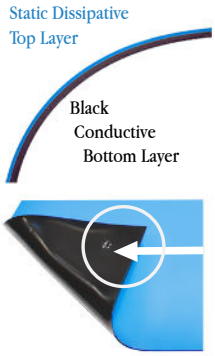
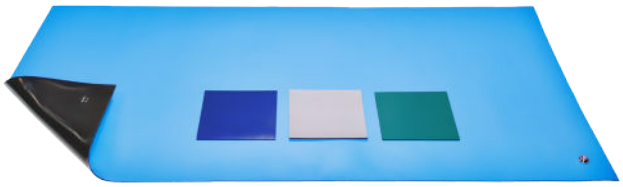
Material Specifications

5300 Series Mats



5300 Series Mats are grounded by installing 4730 Series Mat Snaps so that a common point ground can be installed on the top of the mat.



Rev: 11-06-2023

5300 Series			
Physical Properties	Units	Typical Values	Test Method
Thickness	Inches	.080	ASTM D-2103
Tensile Strength • Top Layer	kg / sq. cm	> 120	ASTM D-412
Tensile Strength • Bottom Layer	kg / sq. cm	> 160	ASTM D-412
Tear Strength • Top Layer	kg / cm	> 90	ASTM D-412
Tear Strength • Bottom Layer	kg / cm	> 100	ASTM D-412
Elongation • Top Layer	%	350	ASTM D-412
Elongation • Bottom Layer	%	250	ASTM D-412
Hardness • Top Layer	-	50	ASTM D-2240
Hardness • Bottom Layer	-	60	ASTM D-2240
Gravity • Top Layer	-	1.3	ASTM D-792
Gravity • Bottom Layer	-	1.4	ASTM D-792
Electrical Properties	**Units**	**Typical Values**	**Test Method**
Surface Resistivity • Top Layer	ohms / sq.	$< 10^9$	ASTM D-257
Surface Resistivity • Bottom Layer	ohms / sq.	$< 10^5$	ASTM D-491
Volume Resistivity • Top Layer	ohms / sq.	$< 10^8$	ASTM D-257
Volume Resistivity • Bottom Layer	ohms / sq.	$< 10^4$	ASTM D-257
Static Decay	seconds	< 0.01	EIA-541
Temperature Tolerance	Fahrenheit	500°F for 10 minutes	

- This product meets the ANSI/ESD S20.20 STM S4.1 Standard using FTMS 101C Method 4046

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