

Qualification Report

ANSI/ESD STM4.1 Worksurfaces

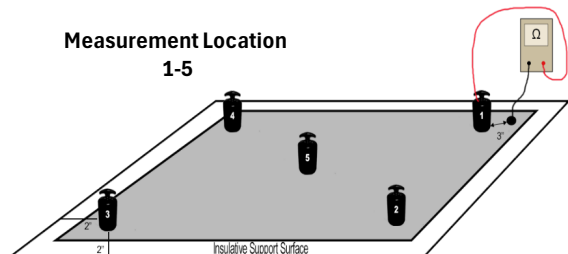
MT2500 Series Two Layer ESD Rubber

MT2524, MT2530, MT2536, MTLP Cut Mats

Environment
Temperature: 68F
Humidity: Moderate 47%/Low 12%
Specimen #: 3
Conducted By: AS

Test Equipment Used
Manufacturer: Wolfgang Warmbier
Model: Metriso 3000
Serial: ZD0031

Measurement	Measurement Location	Low 12% Humidity			Moderate 48% Humidity			Required Limit
		#1	#2	#3	#1	#2	#3	
Resistance to Groundable Point (Rgp)	1	8.62×10^7	8.62×10^7	9.31×10^7	8.09×10^7	8.09×10^7	9.92×10^7	$< 1.0 \times 10^9 \Omega$
	2	8.73×10^7	8.73×10^7	9.40×10^7	7.15×10^7	7.15×10^7	8.45×10^7	
	3	8.63×10^7	8.63×10^7	8.92×10^7	8.11×10^7	8.11×10^7	7.78×10^7	
	4	1.24×10^8	1.24×10^8	1.15×10^8	9.03×10^7	9.03×10^7	8.86×10^7	
	5	1.25×10^8	1.25×10^8	7.43×10^7	8.75×10^7	8.75×10^7	7.21×10^7	
Resistance point-to-point (Rpp)	A	3.51×10^8	3.51×10^8	2.98×10^8	2.52×10^8	2.52×10^8	1.59×10^8	$< 1.0 \times 10^9 \Omega$
	B	3.19×10^8	3.19×10^8	2.78×10^8	1.83×10^8	1.83×10^8	1.77×10^8	
	C	3.77×10^8	3.77×10^8	2.61×10^8	1.80×10^8	1.80×10^8	1.69×10^8	
	D	2.98×10^8	2.98×10^8	3.05×10^8	1.81×10^8	1.81×10^8	1.74×10^8	



Measurement Results		Low 12%RH	Moderate 48%RH
Resistance to Groundable Point (Rgp)	Minimum	7.43×10^7	7.15×10^7
	Maximum	1.25×10^8	9.92×10^7
	Average	9.89×10^7	8.30×10^7
Resistance point-to-point (Rpp)	Minimum	2.61×10^8	1.59×10^8
	Maximum	3.77×10^8	2.52×10^8
	Average	3.19×10^8	1.89×10^8

