ESD Table Mat Specification

Descriptions:

The PERFWIPE ESD Table Mat Roll are construction from anti-static(conductive) with static-dissipative materials synthetic rubber.
Surface resistance :10^6-$10^9\Omega$
This great value, smooth finish ESD table mat roll is ideal for laying on the workbenches in the workshops or laboratories of microelectronic industries.
ESD table mat roll provides an excellent ESD surface for use within all ESD protected environments, preventing damage from harmful static charges.
Manufactured from synthetic rubber, its 2mm thick double-layer structure consists of a 0.5mm thick static-dissipative surface layer and a 1.5mm thick conductive bottom layer

Features:
Permanent anti-static performance
Anti-fatigue for workers and promote blood cirulation as floor mat
Durable and Elastic
Meet ROHS,SGS requirement
Surface Resistance for dispassive mat：$10^{6\sim9}\Omega$ or insulative surface is available
Surface Resistance for conductive mat ：$10^{3\sim5}\Omega$
Color: Green , Blue ,Gray,Black.

Specifications:

Product Description	
Construction Material:	Rubber
Color:	Green, blue, gray, black
Normal Size:	0.6,0.9,1.0,1.2M*10m*2mm or Custom
Two layers:	Static Dissipation layer + Conductive layer
Surface:	Shiny or dull
Gross Weight:	around 35kg/roll
Remarks:	Above sizes are standard, customized size available

Performance index of Dissipative Table/Floor Mat

Dissipative Table Mat/Floor Mat			Specification	Color
Static Dissipation layer	Surface resistance	10^6-10^9	1.2m*10m*2mm(T)	Green, blue
	Friction static potential V	<100	1.0m*10m*2mm(T)	gray, black
Conductive layer (black bottom)	Surface resistance	$10^{3\sim5}$	0.9m*10m*2mm(T)	
	Friction static potential V	<60	0.6m*10m*2mm(T)	
Static voltage attenuation period	5000 – 500V	<1.9s		
Flame retardation	GB4609-84, FV-0 (less than 10S)			
Volume resistance	10^7-$10^{10}\Omega$cm			

Physical performance index of Dissipative Table/Floor Mat

No.	Description	Test reference	Results
1	Tensile strength	GB 1040	3.6Mpa
2	Fracture elongation	GB 1040	188%
3	Tear elongation	GB/T 529	20.6KN/m

4	Rebound elasticity (the specimen is laminated with 6 layers of sheets)	GB/T 1681	14%
5	Impact embrittlement temperature (no cut)	GB 5470	No damage
			at -25℃
6	Permanent compression change rate, 70℃ *22h, compression 25%	GB 10654	17.90%
7	Hot air ageing		
	Tensile strength change rate	GB/T 7141	8.00%
	Fracture elongation change rate	GB/T 7141	-3.80%
	Weight loss on heating	GB/T 7141	1.08%
Remarks	Test according to national standards: GB 1040, GB/T 529, GB/T 1671, GB 5470, GB 10654 and GB/T 7141		



Order informations:

Code	Size	Packaging
SSESDTABLEMAT-GN/BK-T2-6010	60cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-GN/BK-T2-9010	90cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-GN/BK-T2-10010	100cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-GN/BK-T2-12010	120cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-BL/BK-T2-6010	60cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-BL/BK-T2-9010	90cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-BL/BK-T2-10010	100cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-BL/BK-T2-12010	120cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-GY/BK-T2-6010	60cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-GY/BK-T2-9010	90cmx10MxT2mm	1 roll/box
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SSESDTABLEMAT-BK/BK-T2-10010	100cmx10MxT2mm	1 roll/box
SSESDTABLEMAT-BK/BK-T2-12010	120cmx10MxT2mm	1 roll/box