

DURASTAT® 3985

Static Dissipative, Buried Conductive Layer
Matting for Work Surface and Floor

Description: **DURASTAT® 3985** is a high performance, soft, static-dissipative matting for use as a work surface and floor mat or runner. This product features a unique multi-layer construction. The top surface is a proprietary vinyl blend engineered to be semi-conductive, non-tacky, color stable, durable and dirt/stain resistant. Fabric Sub-layer provides dimensional stability along with superior physical strength. The buried conductive layer is the primary path to ground within the structure but engineered to be easily accessible only through the ground snap fastener to minimize shock hazards and alternative unintended ground paths. The vinyl foam back provides a resilient, non-skid back. Additionally, the foam is engineered to provide soft feel to the mat structure while being highly durable with superior lay-flat properties. The total structure is designed to have superior physical strength while being light weight for ease in handling and to reduce shipping costs. Standard colors are Blue and Chocolate Brown.

Compliance: **DURASTAT® 3985** is engineered to meet the requirements of MIL PRF-87893B, Workstation, Electrostatic Discharge (ESD) Control, Type II work surface, cushioned. The unique construction provides the same resistance-to-ground measurement from any point on the material.

TYPICAL PHYSICAL PROPERTIES

Test and Methods	Imperial		Metric	
	Result	Unit	Result	Unit
Weight FSTM191.5041	53 ± 2	oz/yd ²	1.8 ± 0.07	kg/m ²
Thickness FSTM191.5030	0.12 ± 0.01	inches	3.05 ± 0.25	mm
Adhesion (MD/CD) ASTM D751	6.4 / 5.2 ± 1	lbs/inch	28.5 / 23.1 ± 4.45	N/25mm
Mullen FSTM191.5512	400 ± 25	PSI	2758 ± 172.4	kPa
Grab Tensile (MD/CD) FSTM191.5100	255 / 210 ± 20	lbs	1134.3 / 934.1 ± 89	N
Tongue Tear (MD/CD) FSTM191.5134	17.8 / 11.6 ± 1.5	lbs	79.2 / 51.6 ± 6.7	N
ESD/EOS	---	---	---	---
10V	5.2x10 ⁷ Ohms			
100V	3.1x10 ⁷ Ohms			
Standard Width	48 or 24	inches	1219.2 or 609.6	mm

The information contained in this technical data bulletin is believed to be true and accurate. The typical physical properties are from historical testing and should not be considered a specification. This information is to be used only as a guide. It is the responsibility of the end user to determine the suitability of our products for each specific application.

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