

DURASTAT® 3983

Static Dissipative, Buried Conductive Layer

Description: DURASTAT® 3983 Field Service Kit Material is a high performance, flexible, static-dissipative fabric with a buried conductive layer specifically designed for use as Field Service Kits. This product features a unique multi-layer construction. The top and back surface are a proprietary vinyl blend engineered to be semi-conductive, non-tacky, color stable, durable and dirt/stain resistant. The buried conductive layer is the primary path to ground within the structure. Internally, there is a woven textile that imparts dimensional stability, allows the finished fabric to be sewn and delivers superior resistance to tearing. Additionally, the structure once fabricated into a finished kit, can be folded indefinitely without evidence of reverting to its original, flat position, thus enhancing portability. This material is also excellent for use as equipment covers, transport material handling slings, bulk resin handling bags, etc. Standard color is blue/blue (front/back)

Compliance: DURASTAT® 3983 Field Service Kit Material is engineered to meet the requirements of MIL PRF-87893B, Workstation, Electrostatic Discharge (ESD) Control, Type III work surface, portable, flexible. 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	14 ± 0.5	oz/yd ²	0.47 ± 0.017	kg/m ²
Thickness FSTM191.5030	0.015 ± 0.0005	inches	0.38 ± 0.01	mm
Flame Resistance MVSS 302	Self-Extinguishing	inches/min	Self-Extinguishing	mm/min
Cut Strip Tensile (MD/CD) FSTM191.5102	222 / 174 ± 20	lbs/inch	987.5 / 774.0 ± 89	N/25mm
Grab Tensile (MD/CD) FSTM191.5100	257 / 204 ± 20	lbs/inch	1143.2 / 907.4 ± 89	N/25mm
Tongue Tear (MD/CD) FSTM191.5134	12.7 / 7.3 ± 0.75	lbs	56.5 / 32.5 ± 3.3	N
Elongation (MD/CD) FSTM191.5102	5.3 / 5.5 ± 0.5 Percent			
ESD/EOS	---	---	---	---
10V	1.8x10 ¹⁰ Ohms			
100V	1.4x10 ⁸ Ohms			
Gloss (Front/Back) 60 Degree Grander	2.5 / 8.1 ± 1			
Standard Width	58 (54 Useable)	inches	1473.2 (1371.6 Useable)	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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