

DURASTAT® 3905

Description:

DURASTAT® 3905 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. DURASTAT® 3905 is available in red.

Compliance:

DURASTAT® 3905 Field Service Kit Material is engineered to meet the requirements of MIL W-87893, Workstation, Electrostatic Discharge (ESD) Control, Type III work surface, portable, flexible.

TYPICAL PHYSICAL PROPERTIES

Test and Methods	Imperial		Metric	
	Result	Unit	Result	Unit
Weight FSTM191.5041	20 ± 0.75	oz/yd ²	0.68 ± 0.3	kg/m ²
Thickness ASTM D6988-07	0.019 ± 0.01	inches	0.48 ± 0.25	mm
Flame Resistance MVSS 302	Self-Extinguishing	inches/min	Self-Extinguishing	mm/min
Tensile Strength (Grab) (MD/CD) FSTM191.5100	270 / 207 ± 20	lbs/inch	1201 / 921 ± 89	N/25mm
Tear - Tongue (MD/CD) FSTM191.5134	10.9 / 8.5 ± 2	lbs	48.5 / 37.8 ± 8.9	N
Standard Width	58 (54 Useable)	inches	1473.2 (1371.6 Useable)	mm
ESD/EOS 10V	13.2X10 ⁷ Ohms			
ESD/EOS 100V	60X10 ⁷ Ohms			
Wear Resistance FSTM191.5306	No Wear (500 cycles, CS17 Wheel, 500g weight)			
Gloss (Face/Back) 60° Grander	3.9 / 11.4 ± 0.7			

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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