

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 PRF-87893B, 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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