

3M™ Moisture Barrier Bag Dri-Shield 3000

Moisture Barrier Bag ~ Foil

Dri-Shield 3000 Moisture Barrier Bag is designed to meet the requirements for the dry packaging of electronic devices. Dri-Shield 3000 bags are made from dissipative nylon, foil, and dissipative polyethylene. These bags protect SMD's from moisture and static damage. Flexible structure is easy to vacuum seal. Coded for QC traceability. These bags are tested to meet or exceed certain electrical and physical requirements of IPC/JEDEC J-STD-033, ANSI/ESD S541, EIA 625, and to be ANSI/ESD S20.20 program compliant.

Specifications

| Physical Properties: | Typical Values | Test Method* |
|--------------------------|----------------------------|---------------------|
| MVTR | <.0003 g/100 sq.in./24 hrs | IPC/JEDEC J-STD-033 |
| Puncture Resistance | 17 lbs | MIL-STD-3010 2065 |
| Thickness | 6 mils | MIL-STD-3010 1003 |
| Tensile Strength | 5400 PSI | ASTM D882 |
| Seam Strength | >15 lbs | ASTM D882 |
| Heat Sealing Conditions: | | |
| Temperature | 300°F - 400°F | |
| Time | 0.6 - 4.5 seconds | |
| Pressure | 30 - 70 PSI | |

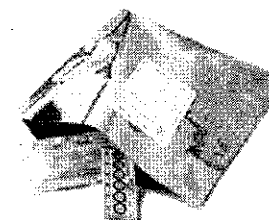
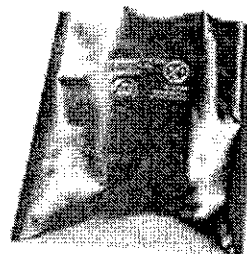
| Electrical Properties: | ASTM D257 | or ANSI/ESD STM11.11 |
|----------------------------------|-------------------------------|---------------------------|
| Surface Resistivity / Resistance | | |
| Interior | <10 ¹² ohms/square | or <10 ¹¹ ohms |
| Exterior | <10 ¹² ohms/square | or <10 ¹¹ ohms |
| Metal | 100 ohms | |
| Static Shielding | < 20 volts | EIA 541 |
| Static Shielding | < 10 nJ | ANSI/ESD STM11.31 |
| EMI Attenuation | 45 dB | |
| Static Decay | < 0.03 seconds | MIL-STD-3010 4046 |
| Silicone or Amine Content | Not detected | FTIR |

See 3M Data Sheets for these related items:

Humidity Indicator Cards (HIC's)

Desiccant

Vacuum Sealers



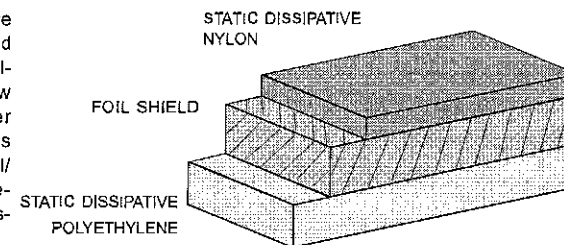
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Moisture Barrier Bag with humidity indicator card, desiccant, and label.



Material Structure

6 mils of static dissipative nylon, aluminum foil, and static dissipative polyethylene provide a very low MVTR. This foil barrier material meets or exceeds the MVTR and EMI/RFI/Static Shielding requirements for static safe, moisture barrier packaging.



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*This product is not on the Qualified Product Listing under the Defense Standardization Program.

PRODUCT DATA SHEET

Dri-Shield 3000 Moisture Barrier Bag FOIL

PRODUCT
MOISTURE BARRIER BAG, FOIL

ITEM NUMBER
D30(W"")(L")

DATASHEET
1104-B
98-0799-1072-9

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