



PRODUCT DATA SHEET

MPK-3400 Foil Moisture Barrier Bag

Miller Packaging's MPK-3400 Foil Moisture Barrier Bags are made of multiple layers of Polyester, Foil and Polyethylene to provide a safe and effective package for your ESD and moisture sensitive products. This highly flexible structure is easy to vacuum and seal. The foil layer assures compliance with the Moisture Vapor Transmission Rating (MVTR) required by the IPC/JEDEC J-STD-033 specification for the handling, packaging and shipping of moisture-sensitive surface mount devices. Miller Packaging bags are coded for QC traceability.

Standards

Meets electrical and physical requirements of IPC/JEDEC J-STD-033, MIL-PRF-81705 Type 1, EIA 583, EIA 541, EIA 625, and EOS/ESD Standards.

Specifications

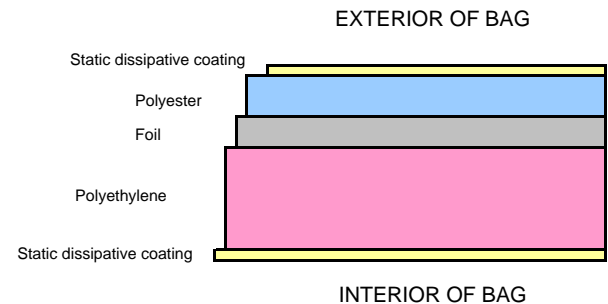
| <i>Physical Properties:</i> | Typical Values | |
|-----------------------------------|--------------------------------|-----------------------------------|
| MVTR (g/100sq. in./24 hrs) | <.0003 | ASTM F 1249 |
| Puncture Resistance | 24 lbs. | FTMS 101 MTH 2065 |
| Thickness | 4.2 mils. nominal | MP005 |
| Tensile Strength | >8500 | ASTM D882 |
| Seal strength | Pass | MIL-PRF-81705 |
| Heat Sealing Conditions | | |
| Temperature | 300°F – 400°F | |
| Time | 0.6 - 4.5 seconds | |
| Pressure | 30 - 70 psi | |
| <i>Electrical Properties:</i> | | |
| Surface resistivity / Resistance | ASTM D257 | or ANSI/ESD STM 11.11 |
| Interior | < 10 ¹² ohms/square | or < 10 ¹¹ ohms/square |
| Exterior | < 10 ¹² ohms/square | or < 10 ¹¹ ohms/square |
| Metal | 100 ohms | |
| Static Shielding | < 15 volts | EIA 541 |
| Static Shielding | < 10 nJ | EOS/ESD S11.31 |
| EMI Attenuation | 45 db | MIL-PRF-81705 |
| Static Decay | < 0.03 seconds | FTMS 101 MTD 4046 |
| Non-corrosive | Pass | FTMS 101 MTD 3005 |
| Outgassing | Pass | ASTM E595 |



MPK-3400 Static Shield Moisture Barrier Bag

Material Structure

4.2 mils of polyester, foil and polyethylene provide a low moisture vapor transmission rate (MVTR). This foil moisture barrier meets or exceeds the moisture and ESD protective requirements of IPC/JEDEC J-STD-033, MIL-PRF-81705 Type 1 and EIA 583 for packaging ESD and moisture sensitive electronics devices.



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PRODUCT
FOIL MOISTURE BARRIER BAG
STATIC SHIELD

DATASHEET
MPK-3400-B

Miller Packaging

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