PRODUCT DATA SHEET

MPK-2700 High Puncture Resistant Metalized Moisture Barrier Bag



Extra Packaging's MPK-2700 High Puncture Resistant Metalized Moisture Barrier Bags are made of multiple layers of metalized polyester and heavy guage dissipative polyethylene to provide a strong, safe package for your ESD and moisture sensitive products. This durable structure resists punctures and abrasion and provides superior drop test performance. Extra Packaging bags are coded for QC traceability.

Standards

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

Specifications

Physical Properties: Typical Values

MVTR (g/100sq. In./24 hrs) <.005 ASTM F 1249

Puncture Resistance 30 lbs. FTMS 101 MTH 2065

Thickness 7.0 mils. nominal MP005
Tensile Strength 40 lbs. 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

Electrical Properties:

Surface resistivity / Resistance ASTM D257 or ANSI/ESD STM 11.11 Interior $< 10^{12}$ ohms/square $< 10^{12}$ ohms/square or $< 10^{11}$ ohms/square $< 10^{11}$ ohms/square

Metal 100 ohms

Static Shielding < 20 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

Material Structure 7 mils. of metalized polyester and polyethylene provide high puncture resistance and a low moisture vapor transmission rate (MVTR). This heavy-duty metalized barrier meets or exceed the moisture and ESD protective requirements of MIL-PRF-81705 Type 1 and EIA 583 for packaging ESD and moisture sensitive electronics devices. EXTERIOR OF BAG Static dissipative coating Metalized Polyester Metalized Polyester Polyethylene Static dissipative coating INTERIOR OF BAG

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PRODUCT

METALIZED MOISTURE BARRIER BAG

STATIC SHIELD ABRASION RESISTANT DATASHEET
MPK-2700-A

EXTRA PACKAGING, CORP.

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