



PRODUCT DATA SHEET

MPK-8800 Static Shield Moisture Barrier Bag – High Puncture / Abrasion Resistant

Miller Packing's MPK-8800 High Puncture Foil Moisture Barrier Bags are made of multiple layers of Polyester, Nylon, Foil and Polyethylene to provide a strong, safe package for you ESD and moisture sensitive products. The unique properties of this structure encase the foil layer with an inner nylon layer and an outer polyester layer to provide an abrasive/puncture resistant barrier from the interior as well as the exterior of the bag. This highly flexible structure is easy to vacuum and seal. This foil layer assures compliance with the Moisture Vapor Transmission Rate (MVTR) required by the IPC/JEDEC J-STD-033 specification for handling, packaging and shipping of moisture-sensitive surface mount devices. The multi-layer construction provides superior puncture resistance against vacuum packaged trays, reels and tubes. Miller Packaging bags are coded for QC traceability.

Standards

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

Specifications

Physical Properties

MVTR (g/100sq. In./24 hrs)

Typical Values

<.0003

ASTM F 1249

Puncture Resistance

>30 lbs.

FTMS 101 MTH 2065

Thickness

5.5 mils. nominal

MP005

Tensile Strength

>45 lbs.

ASTM D882

Seal Strength

Pass / >22lbs.

MIL-PRF-81705 / ASTM D882

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

< 10¹² ohms/square

or < 10¹¹ ohms/square

Exterior

< 10¹² ohms/square

or < 10¹¹ 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

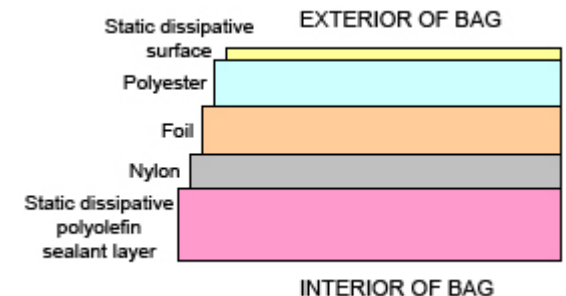
ASTM E595



MPK-8800 Static Shield Moisture Barrier Bag

Material Structure

5 mils of polyester, nylon, foil and polyethylene provide high puncture resistance and a low Moisture Vapor Transmission Rate (MVTR). This heavy-duty foil barrier meets or exceeds the ESD protective requirements of IPC/JEDEC J-STD-033, MIL-PRF-81705 Type I and EIA 583 for packaging static and moisture sensitive electronics devices.



MPK-8800 High Puncture Foil Moisture Barrier Bag

PRODUCT

FOIL MOISTURE BARRIER BAG
STATIC SHIELD
ABRASION RESISTANT

DATASHEET

MPK-8800-C

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