



PRODUCT DATA SHEET

MPK-3400 Foil Moisture Barrier Bag

Miller Packing'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 Rate (MVTR) required by the IPC/JEDEC STD-033 specification for 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 I, EIA 583, EIA 541, EIA 625 and EOS/ESD Standards.

Specifications

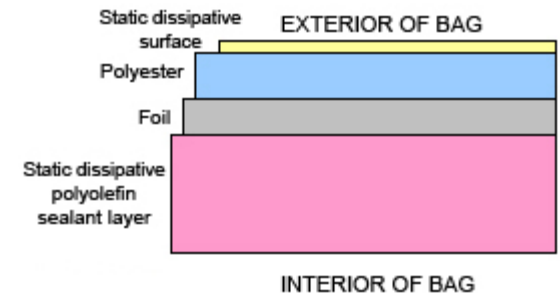
<i>Physical Properties</i>	Typical Values	
MVTR (g/100sq. In./24 hrs)	< .0003	ASTM F 1249
Puncture Resistance	24 lbs.	FTMS 101 MTH 2065
Thickness	4.2 mils. nominal	MP005
Tensile Strength	>8500	ASTM D882
Seal Strength	Pass	MIL-PRF-81705
Heat Sealing Conditions		
Temperature	300°F - 400 °F	
Time	0.6 – 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	< 10nJ	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



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Material Structure

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



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PRODUCT
FOIL MOISTURE BARRIER BAG
STATIC SHIELD

DATASHEET
MPK-3400-B

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