



PRODUCT DATA SHEET

MPK-3000 Foil Moisture Barrier Bag

Miller Packing's MPK-3000 Foil Moisture Barrier Bags are made of multiple layers of Nylon, 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 J-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-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	17 lbs.	FTMS 101 MTH 2065
Thickness	6.1 mils. nominal	MP005
Tensile Strength	>5500	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

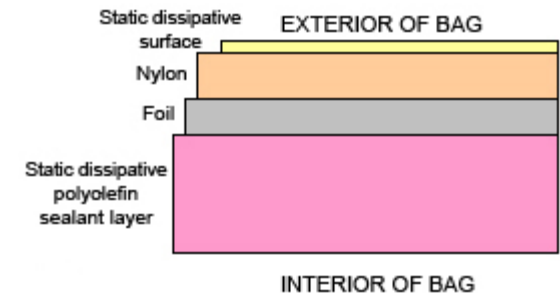
Surface resistivity / Resistance	ASTM D257	or ANSI/ESD STM 11.11
Interior	< 10 ¹² ohms/square	or < 10 ¹¹ ohms/square
Exterior	< 10 ¹² ohms/square	or < 10 ¹¹ ohms/square
Metal	100 ohms	
Static Shielding	< 15 volts	EIA 541
Static Shielding	< 10 nJ	EOS/ESD S11.31
EMI Attenuation	45 db	MIL-PRF-81705
Static Decay	< 0.03 seconds	FTMS 101 MTD 4046
Non-corrosive	Pass	FTMS 101 MTD 3005
Outgassing	Pass	ASTM E595



MPK-3000 Static Shield Moisture Barrier Bag

Material Structure

6 mils of nylon, 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 and EIS 583 for packaging ESD and moisture sensitive electronics devices.



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PRODUCT

FOIL MOISTURE BARRIER BAG
STATIC SHIELD

DATASHEET

MPK-3000-A



Miller Packaging

Email: info@millerbags.com

USA: 866-370-2496

Mexico: 333-692-6705

www.millerbags.com



