



PRODUCT DATA SHEET

MPK-6000 Tyvek® Foil Polyethylene Static Shield Moisture Barrier Bag

Miller Packaging's MPK-6000 Tyvek® Foil Moisture Barrier Bags are made of multiple layers of Tyvek®, Foil and Anti-static Polyethylene to provide a tear-resistant, safe package for your ESD and moisture sensitive products. The tough Tyvek® exterior resists tearing and 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.

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

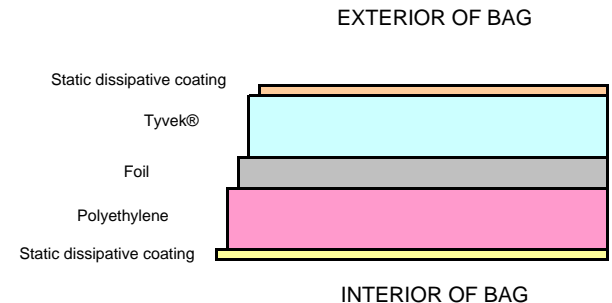
<i>Physical Properties:</i>	Typical Values	
MVTR (g/100sq. In./24 hrs)	<.00035	ASTM F 1249
Puncture Resistance	>23 lbs.	FTMS 101 MTH 2065
Thickness	8.5 mils. nominal	MP005
Tensile Strength	>39 lbs.	ASTM D882
Seal strength	Pass / >14 lbs.	MIL-PRF-81705 / ASTM D882
Heat Sealing Conditions		
Temperature	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	< 30 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



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Material Structure

8.5 mils of Tyvek®, foil and polyethylene provide a tear resistant bags with a low moisture vapor transmission rate (MVTR). This Tyvek® foil 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 static and moisture sensitive electronics devices.



MPK-8800 High Puncture Foil Moisture Barrier Bag

PRODUCT
ANTI-STATIC TYVEK® EXTERIOR
FOIL MOISTURE BARRIER BAG
STATIC SHIELD

DATASHEET
MPK-6000-A

Miller Packaging

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