



# PRODUCT DATA SHEET

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

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

### Specifications

#### Physical Properties

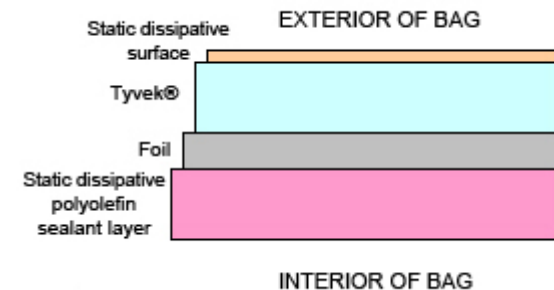
MVTR (g/100sq. In./24 hrs)	Typical Values < .00035	ASTM F 1249
Puncture Resistance	>23 lbs.	FTMS 101 MTH 2065
Thickness	8.5 mils. nominal	MP005
Tensile Strength	>39 lbs.	ASTM D882
Seal Strength	Pass / >14 lbs.	MIL-PRF-81705 / ASTM D882
Heat Sealing Conditions		
Temperature	300°F - 400 °F	
Time	0.6 – 4.5 seconds	
Pressure	30 – 70 psi	
Surface resistivity / Resistance	ASTM D257	or ANSI/ESD STM 11.11
Interior	< 10 <sup>12</sup> ohms/square	or < 10 <sup>11</sup> ohms/square
Exterior	< 10 <sup>12</sup> ohms/square	or < 10 <sup>11</sup> 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



MPK-6000 Tyvek® Foil Polyethylene Moisture Barrier Bag

### Material Structure

8.5 mils of Tyvek®, foil and polyethylene provide a tear resistant bag with a low Moisture Vapor Transmission Rate (MVTR). This Tyvek® foil barrier meets or exceeds the moisture and ESD protective requirements of IPC/JEDEC STD-033, MIL-PRF-81705 Type I and EIA 583 for packaging static and moisture sensitive electronics devices.



### MPK-6000 High Puncture Foil Barrier Bag

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

DATASHEET  
MPK-6000-A

### Miller Packaging

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