



PRODUCT DATA SHEET

MPK-2700 High Puncture Resistant Metalized Moisture Barrier Bag

Miller Packaging's MPK-2700 High Puncture Resistant Metalized Moisture Barrier Bags are made of multiple layers of metalized polyester and heavy gauge dissipative polyethylene to provide a strong, safe package for your ESD and moisture sensitive products. This durable structure resists punctures and abrasion and provides superior drop test performance. Miller Packaging bags are coded for QC traceability.

Standards

Meets electrical and physical requirements of MIL-PRF-81705 Type 1, EIA 583, EIA 541, EIA 625, and EOS/ESD Standards.

Specifications

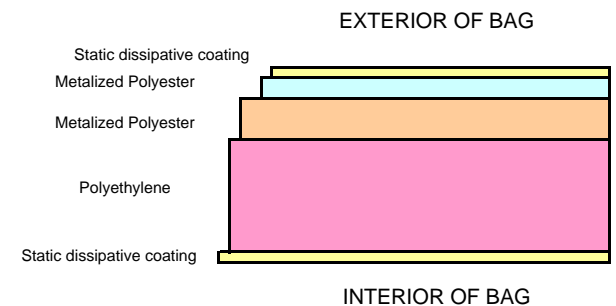
<i>Physical Properties:</i>	Typical Values	
MVTR (g/100sq. In./24 hrs)	<.005	ASTM F 1249
Puncture Resistance	30 lbs.	FTMS 101 MTH 2065
Thickness	7.0 mils. nominal	MP005
Tensile Strength	40 lbs.	ASTM D882
Seal strength	Pass	MIL-PRF-81705
Heat Sealing Conditions		
Temperature	300°F – 400°F	
Time	0.6 - 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	< 20 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



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Material Structure

7 mils. of metalized polyester and polyethylene provide high puncture resistance and a low moisture vapor transmission rate (MVTR). This heavy-duty metalized barrier meets or exceeds the moisture and ESD protective requirements of MIL-PRF-81705 Type 1 and EIA 583 for packaging ESD and moisture sensitive electronics devices.



MPK-2700 High Puncture Resistant Barrier Bag

PRODUCT
METALIZED MOISTURE BARRIER BAG
STATIC SHIELD
ABRASION RESISTANT

DATASHEET
MPK-2700-A

Miller Packaging

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