



PRODUCT DATA SHEET

MPK-2700 High Puncture Resistant Metalized Moisture Barrier Bag

Miller Packing'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 abrasions 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 I, EIA 583, EIA 541, EIA 625, and EOS/ESD Standards.

Specifications

Physical Properties

MVTR (g/100sq. In./24 hrs)	Typical Values	
Puncture Resistance	< .005	
Thickness	30 lbs.	
Tensile Strength	7.0 mils. nominal	
Seal Strength	40 lbs.	
Heat Sealing Conditions	Pass	
Temperature	300°F - 400 °F	
Time	0.6 – 4.5 seconds	
Pressure	30 – 70 psi	

Electrical Properties

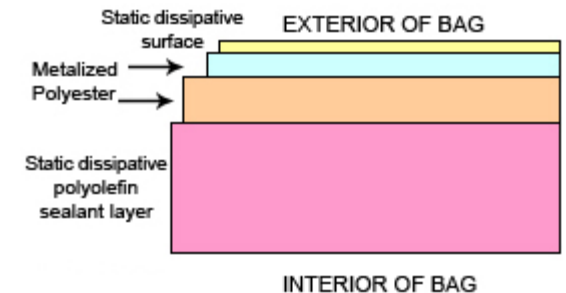
Surface resistivity / Resistance	ASTM D257	or ANSI/ESD STM 11.11
Interior	< 10 ¹² ohms/square	or < 10 ¹¹ ohms/square
Exterior	< 10 ¹² ohms/square	or < 10 ¹¹ ohms/square
Metal	100 ohms	
Static Shielding	< 20 volts	EIA 541
Static Shielding	< 10 nJ	EOS/ESD S11.31
EMI Attenuation	45 db	MIL-PRF-81705
Static 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 moisture barrier bag meets or exceeds the ESD protective requirements of MIL-PRF-81705 Type I and EIA 583 for packaging ESD and moisture sensitive devices.



MPK-2700 High Puncture Resistant Barrier Bag

PRODUCT

METALIZED MOISTURE BARRIER BAG
STATIC SHIELD
ABRASION RESISTANT

DATASHEET

MPK-2700-A

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