



PRODUCT DATA SHEET

MPK-2000 Economical Static Shield Moisture Barrier Bag

Miller Packing's MPK-2000 Economical Moisture Barrier Bags are made of multiple layers of Metalized Polyester and Polyethylene to provide a cost-effective package for your ESD and moisture sensitive products. This highly flexible structure is easy to vacuum and seal. 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	< .02	
Thickness	>20 lbs.	
Tensile Strength	3.6 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

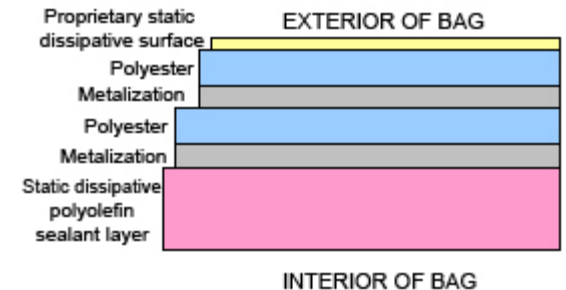
Surface resistivity / Resistance	ASTM D257	Or ANSI/ESD STM 11.11
Interior	< 10 ¹² ohms/square	Or < 10 ¹¹ ohms/square
Exterior	< 10 ¹² ohms/square	Or < 10 ¹¹ ohms/square
Metal	100 ohms	
Static Shielding	< 20 volts	EIA 541
Static Shielding	< 10 nJ	EOS/ESD S11.31
EMI Attenuation	45 db	MIL-PRF-81705
Static 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

3.6 mils of metalized polyester and polyethylene provide puncture resistance and protection against moisture vapor and ESD in an economical dry package. This moisture barrier bag meets or exceeds the ESD protective requirements of Mil-PRF-81705 Type I EIA 583.



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PRODUCT

METALIZED MOISTURE BARRIER BAG
STATIC SHIELD
ECONOMICAL

DATASHEET

MPK-2000-A

Miller Packaging

Email: info@millerbags.com

USA: 866-370-2496

Mexico: 333-692-6705

www.millerbags.com



