



PRODUCT DATA SHEET

MPK-4400 Semi-transparent Static Shield / Moisture Barrier Bag

Miller Packaging's MPK-4400 Semi-transparent Static Shield / Moisture Barrier Bags are made of multiple layers of Polyester and Polyethylene to provide a static shielding bag with moisture barrier properties. This semi-transparent bag provides protection for your ESD and moisture sensitive devices while allowing visual inspection of the bag contents. Miller Packaging bags are coded for QC traceability.

Standards

Meets electrical and physical requirements of MIL-PRF-81705 Type III, ANSI/ESD S20.20, ESD S541, EIA 625, and EOS/ESD Standards.

Specifications

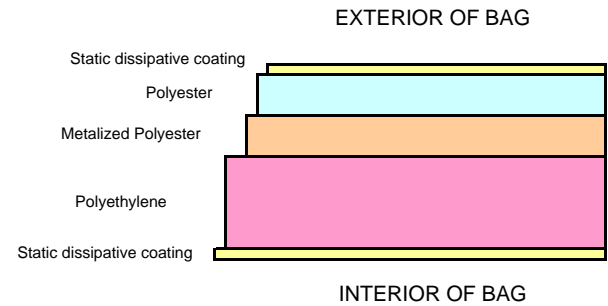
<i>Physical Properties:</i>	Typical Values	
MVTR (g/100sq. In./24 hrs)	<.05	ASTM F 1249
Puncture Resistance	>23 lbs.	FTMS 101 MTH 2065
Thickness	4.2 mils. nominal	MP005
Tensile Strength	20 lbs. / width	ASTM D882
Seal strength	>10 lbs.	MIL-PRF-81705
Optical Density	.035 - .045	
<i>Electrical Properties:</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	< 15 volts	EIA 541
Static Shielding	< 10 nJ	EOS/ESD S11.31
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

4 mils of polyester, metalized polyester and polyethylene provide static shielding, low moisture vapor transmission rate (MVTR) and transparency. This semi-transparent static shield / moisture barrier bag meets or exceeds MIL-PRF-81705 Type III for packaging ESD sensitive electronics devices.



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PRODUCT
MOISTURE BARRIER BAG
STATIC SHIELD
TRANSPARENT

DATA SHEET
MPK-4400-A

Miller Packaging

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