

Static Shielding Bag ~ Metal-In

This transparent, metallized static shield bag provides a static safe environment for sensitive electronic devices. Four layer construction. Polyester dielectric and metal layer provide Faraday effect shielding of ESD and fields. Tribocharging is minimized by the specially processed polyethylene. Flat and zipper closure styles. Coded for QC traceability.

Standards

Meets the requirements of MIL-PRF-81705 Type III, EIA 541, EIA 625, MIL-HDBK-263, MIL-STD-1686, and EOS/ESD Standards.



Specifications

Electrical Properties:

	Typical Values	
Surface Resistivity / Resistance	ASTM D257	or ANSI/ESD STM11.11
Interior	<10 ¹² ohms/square	or <10 ¹¹ ohms
Exterior	<10 ¹² ohms/square	or <10 ¹¹ ohms
Metal	100 ohms	
Static Shielding	< 30 volts	MIL-PRF-81705, EIA 541
Static Shielding	< 10 nJ	EOS/ESD S11.31
Static Decay	< 0.05 seconds	MIL-PRF-81705, FTMS 101 MTH 4046
Charge Generation		
Teflon	0.09 nC/sq.in.	Modified Inclined Plane
Quartz	0.01 nC/sq.in.	

Physical Properties:

Tensile Strength	>25 lbs	ASTM D 882
Seam Strength	Pass	MIL-PRF-81705
Light Transmission	40 %	Tobias
Heat Sealing Conditions		
Temperature	250 F - 375 F	
Time	0.5 - 3.5 seconds	
Pressure	30 - 70 PSI	
Thickness	3.1 mils	SCC 008
Outgassing	Pass	ASTM E595
Non-corrosive	Pass	FTMS 101 MTH 3005

Material Structure

SCC 1000 open top and ZipTop static shielding bags are manufactured from industry approved Polyester/Metal/Polyethylene laminates. The polyester dielectric in concert with the metal layer provide Faraday Effect shielding of an Electrostatic Discharge (ESD). The metal layer prevents the penetration of damaging electrostatic fields. Tribocharging is minimized by the specially processed polyethylene.

