



3710 Moisture Barrier Bag

Construction in Layers:

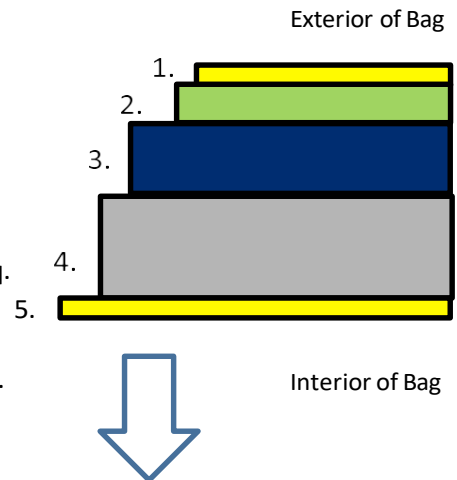
ANTI-STATIC / HEAVY GAUGE POLYESTER / METAL / POLYESTER / METAL / HEAVY GAUGE POLYETHYLENE / ANTISTATIC

Material Structure: Multiple layers of metalized polyester and heavy gauge dissipative polyethylene with superior puncture resistance and moisture barrier. This material meets or exceeds MVTR and EMI/RFI Static Shielding requirements for static safe, moisture barrier packaging.

Applications: For packing of static sensitive products where MVTR (Moisture Vapor Transmission Rates) are critical.

<u>Physical Properties</u>	<u>Test Method</u>	<u>Specification</u>
Thickness	ASTM D-2103	7.1 mil
Yield	JJC G103	3,600 sq.in/lb.
Tensile Strength	ASTM D-882	> 50lbs/in
Puncture	FTMS 10001C	> 35 lbs
Burst	FTMS 101C	> 50 psi
Seam Strength	ASTM D-882	> 12 lbs. /in
Optical Density		Opaque (silver)
Heat Seal		Temp: 300 – 400° F Time: .6 - .45 seconds Pressure 30 – 70 PSI
MVTR	ASTM F-1249	.005 grams/100 sq. in./24 hrs.
OTR	ASTM D-3985	.005 cc/100 sq. in. /24 hrs

Material Structure



Electrical Properties Test Method Specification

Surface Resistance	ANSI/ESD STM 11.11	PE < 10 ¹¹ Ohms PET < 10 ¹¹ Ohms	1. Anti-Static Coating
Static Shielding	EIA-541	< 20 volts	2. 100 ga. HOD Metalized Polyester
Static Shielding	EOS/ESD S11.31	< 10 nJ	3. 48 ga. HOD Metalized Polyester
Electrostatic Decay	FTMS 101	< 0.1	4. 5.6 Mil Polyethylene
EMI Shielding	MIL SPEC B-81705C	> 40 dB	5. Anti-Static Coating



Chemical Properties

Test Method

Specification

Contact Corrosivity

FTMS 101C method 3005

No visible sign after
testing of deterioration

Ion Content

Sodium, Fluoride,
Phosphate Sulfate Ions

Below Detectable Levels

Amines & Amide Free

Sizes & Mil: As specified by the customer

*The values shown above were developed from random samples taken from production material we believe to be typical for the product. However, actual values may vary somewhat from those depicted here and PST makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own initial criteria. Nothing herein is to be taken as a license to operate under or recommendation to infringe upon any patent.