



# 3700 Moisture Barrier Bag

## Construction in Layers:

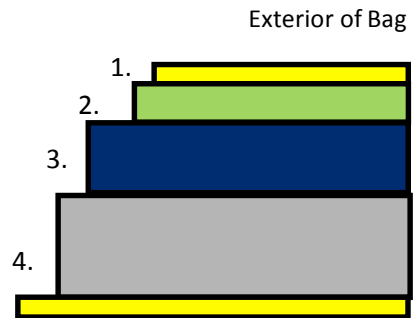
ANTI-STATIC / HEAVY GAUGE POLYESTER / METAL / POLYESTER / METAL / HEAVY GAUGE POLYETHYLENE / ANTISTATIC

**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.

Physical Properties	Test Method	Specification
Thickness	Micrometer	7 mil
Yield	TCI#2	4,141 sq.in/lb.
Tensile Strength	ASTM D-882	40lbs/in
Puncture Resistance	FTMS 101C method 2065	30 lbs
Mullen Burst	ASTM D-774	> 72 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 @100F, 100 sq. in. /24 hrs.	.008 grams +/- .0035

## Material Structure



Electrical Properties	Test Method	Specification
Surface Resistivity	ASTM D-257 @15 RH	PE < 10 <sup>12</sup> Ohms/Sq. PET < 10 <sup>12</sup> Ohms/Sq. Metal 100 Ohms
Surface Resistance	ANSI/ESD STM 11.11	PE < 10 <sup>11</sup> Ohms PET < 10 <sup>11</sup> Ohms
Static Shielding	EIA-541	< 20 volts
Static Shielding	EOS/ESD S11.31	< 10 nJ
Electrostatic Decay	FTMS 101 Method 4046	.03 sec.
EMI Shielding		45 dB



- Interior of Bag
1. Static Dissipative Coating
  2. Metalized Polyester
  3. Metalized Polyester
  4. Polyethylene
  5. Static Dissipative Coating



<u>Chemical Properties</u>	<u>Test Method</u>	<u>Specification</u>
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.