Moisture Barrier Bag 6001

Construction in Layers:

ANTI-STATIC / NYLON / FOIL / POLYETHYLENE / ANTISTATIC

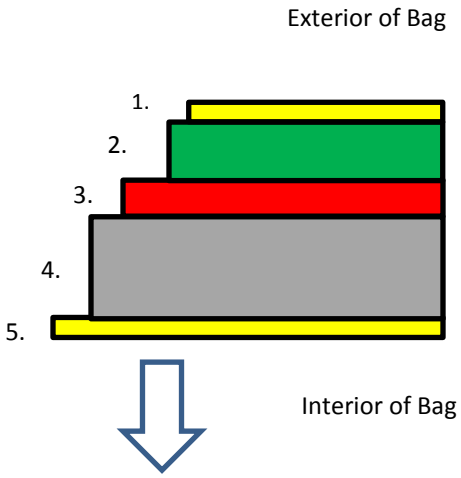
Material Structure: 6.1 mils of static dissipative nylon, aluminum foil and static dissipative polyethylene provide a very low MVTR. This foil barrier material meets or exceeds the MVTR and EMI/RFI/Static Shielding requirements for static safe moisture barrier packaging.

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

Physical Properties	Test Method	Specification
Thickness	Micrometer	6.1 mil
Yield	TCI#2	4,425 sq.in/lb.
Tensile Strength	ASTM D-882	TD 24 lbs/in MD 29 lbs/in
Puncture Resistance	FTMS 101C method 2065	> 21 lbs.
Tear Initiation	ASTM D-1004	> 4.5 lbs. /mil
Mullen Burst	ASTM D-774	72 PSI
Seam Strength	ASTM D-882	> 12 lbs. /in
Optical Density		Opague (silver)
Heat Seal		375° 1.5 sec. 60 PSI
Blocking		None
MVTR	ASTM F-1249 @100F, 100 sq. in. /24 hrs.	< .0003 grams

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

Material Structure



1. Static Dissipative Coating
2. Nylon
3. Foil
4. Polyethylene
5. Static Dissipative Coating

Chemical Properties	Test Method	Specification

PH: (207)-786-4790 Fax: (207)-783-3708 9/19/13 HLK rkullson@purestat.com www.purestat.com

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.

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