

Moisture Barrier Bags

Aluminum moisture Bags made out of VMPET/VMPET/PE films for packaging ESD sensitive devices. This bag provides moisture barrier properties intended to protect moisture sensitive devices that require a higher protection from moisture. This bag also provides static control properties intended to protect electronic devices and assemblies from ESD.

SPECIFICATIONS

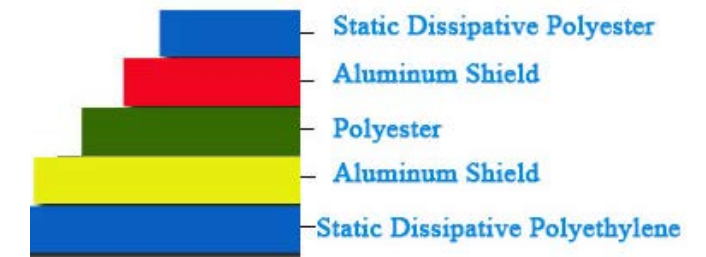
Electrical Properties	Typical Values	Test Method
Surface Resistance		ANSI/ESD STM 11.11
Interior	<10E11ohms	
Exterior	<10E11 ohms	
Metal	<100 ohms	
Static Shielding	<15 nJ	ANSI/ ESD STM11.31
Static Decay	<0.03 seconds	EIA 541
Charge Generation	< 100 volts	** 15kV and 12% RH
Physical Properties		
Material Thickness	3.6mil+/-10%	**
Puncture Resistance	≥10.0lbs	MIL-PRF-81705D
Tensile Strength	> 4500 psi MD/TD	ASTM D882
Seam Strength	No separation	MIL-PRF-81705D
Optical Density	Opaque(Silver)	ASTM D-882
Heating sealing Conditions	375°F 0.5sec.60 PSI	**
MVTR	< 0.02grams/100sq. in/day	ASTM F-1249
Appearance	No tears,holes,scratches,etc.	
Chemical Properties		
	.Compliant to ROHS,REACH, Halogen free ETC requirement	
Amines/Amides	Not detected	FTIR
Cleaning Performance		
LPC	≤1200 particle /CM2	
DHS		
Phenonis (BHT,Ionol 2) and derivatives	≤ 530 ng /cm2	
Hydrocarbons and Others	<1179	
Ethyl Acetate	<0.5	
Total outgassing	<1709	



Image is for illustration purposes only

Material Structure

Aluminum Moisture Barrier Bags are made from industry-approved static dissipative polyester/aluminum shield.



NVR	
Hexane/IPA	$\leq 4.5 \mu\text{g}/\text{cm}^2$
FTIR	
silicone oil	$< 5 \text{ng}/\text{cm}^2$
IC	
Single Anion	$\leq 0.01 \mu\text{g}/\text{cm}^2$ Nitrate $\leq 0.06 \mu\text{g}/\text{cm}^2$
Total Anion	
particle content	$\leq 0.10 \mu\text{g}/\text{cm}^2$
	Talc: particles / CM^2 , Hard Particles: particles/ cm^2 .

