

## BT-SB1000 Metal-In Static Shielding Film/Bag(VMPET/PE)

Metal in static shielding bags made out of VMPET/PE films for packaging ESD sensitive devices. Heat sealable, This bags are available with or without zipper. Metal-in Static Shielding Films are designed for products requiring protection against Electrostatic Discharge(ESD). Static shielding bags provides properties intended to protect electronic devices and assemblies from Electrostatic Discharge(ESD) and to avoid charge accumulation on the bag that could be damaging to ESD susceptible devices and assemblies.

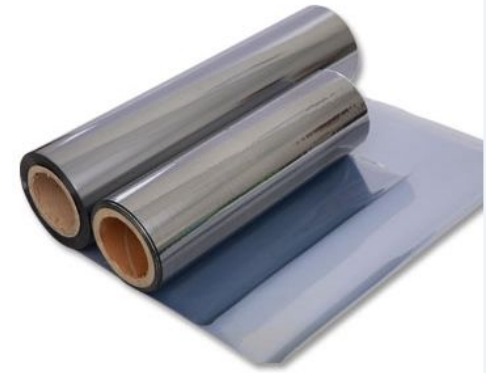
### SPECIFICATIONS

Electrical Properties	Typical Values	Test Method
Surface Resistance		ANSI/ESD STM 11.11
Interior	<10E11ohms	
Exterio	<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:	3.1mils±10%	
Light Transmission	40%-55%	ASTM D1003
Puncture Strength	≥12.0 lbs	MIL-PRF-81705D
Seam Strength	No separation	MIL-PRF-81705D
Heating sealing		
Conditions Temperature	250°F -375 °F	
Time	0.5 - 3.5 seconds	
Pressure	30 – 70 PSI	
Tensile Strength	> 5500 psi MD/TD	ASTM D882
Visual inspection	No tears,holes,sctratches,etc.	



### Chemical Properties

Amines/Amides Compliant to ROHS,REACH, Halogen free ETC requirement  
Not detected

### Cleaning Performance

LPC	≤1200 particle /CM2	>0.5
DHS		
Phenonis (BHT,Ionol 2) and derivatives Hydrocarbons and Others	≤ 530 ng /cm2	
Ethyl Acetate	<1179	
Total	<0.5	
outgassing NVR	<1709	
Hexane/IPA	≤4.5ug/ cm2	
FTIR		
silicone	<5ng/cm2	
oil IC		
Single Anion	≤ 0.0 1ug/cm2 Nitrate ≤ 0.06 ug/cm2	
TotalAnion		
particle content	≤ 0.10 ug/cm2	
	Talc: particles / CM2,	
	Hard Particles: particles/cm2	

### Material Structure

