

Antistatic & Barrier bag

From packaging design to production by technology of Plastic Converting accumulated for 30 years

1. Composition and Character of Antistatic Shielding Bag

Composition	Character
<ul style="list-style-type: none"> • Antistatic Coating • PET • Semi Al-VM • LLDPE • Antistatic Coating 	<ul style="list-style-type: none"> • Antistatic < 10^{11} / • Excellent Transparency • Packaging material for board packing • Packaging material for electronic parts sensitive to static electricity

2. Ny Moisture Barrier Bag

Composition	Character
<ul style="list-style-type: none"> • Antistatic Coating • PA • LDPE • Al-Foil • LDPE • LLDPE • Antistatic Coating 	<ul style="list-style-type: none"> • Antistatic < 10^{11} / *Excellent Barrier (Oxygen Permeability, Trans-humidity) • Packaging material for vacuum packing • Packaging material for parts sensitive to humidity and static electricity like IC chip • Packaging for T&R, tray and tube

3. Composition and Character of Tyvek EMI/ESD Static Barrier Bag

Composition	Character
<ul style="list-style-type: none"> • Tyvek • LDPE • Al-Foil • LDPE • LLDPE • Antistatic Coating 	<ul style="list-style-type: none"> • Antistatic < 10^{11} / • Excellent Barrier (Oxygen Permeability, Trans-humidity) • Packaging material for vacuum packing Packaging material for parts packing sensitive to humidity and static electricity • Used for packing of Reel, T&R, Tray and Tube

4. Composition and character of ultra-strong Moisture barrier bag

Composition	Character
<ul style="list-style-type: none">· Antistatic Coating	<ul style="list-style-type: none">· Antistatic < 10^{11} /
<ul style="list-style-type: none">· PET	<ul style="list-style-type: none">· Excellent Barrier (Oxygen Permeability, Trans-humidity)
<ul style="list-style-type: none">· Al-Foil	<ul style="list-style-type: none">· Packaging material for vacuum packing
<ul style="list-style-type: none">· PA	<ul style="list-style-type: none">· Ultra-strong Barrier Bag improved from Ny Moisture Barrier Bag
<ul style="list-style-type: none">· LLDPE	<ul style="list-style-type: none">· Reel, Tray, Tube packing
<ul style="list-style-type: none">· Antistatic Coating	<ul style="list-style-type: none">· Induce to Gazette Type for an easy packing for tray

Antistatic Shielding Bag Specification

Property			Test Method	Value
Thickness			ASTM D-374	76.55 μm
Strength	Breaking Factor	MD	ASTM D-882	5.05 kgf/ mm^2
		TD		4.72 kgf/ mm^2
	Elongation	MD	ASTM D-882	111.3 %
		TD		117.5 %
	Sealing		ASTM F88-85	4.1 kgf/15 mm
Light Transmission			ASTM D-1003	50.8 %
Surface Resistivity	Out		ASTM D-257	$6.2 \times 10^{10} / \text{mm}^2$
	In			$7.5 \times 10^{10} / \text{mm}^2$
	Metallized			$< 10^2 / \text{mm}^2$
Static Decay	Out		EIA 541	< 1 sec
	In			< 1 sec
Capacitive Prove			EIA 541	-
Piercing D	egree of	St renth	YC-Method	-
MVTR			ASTM F-12498	-
OTR			ASTM D-3985	-

Moisture Vapor Barrier Bag Specification

Property		Test Method	Value
Thickness		ASTM D-374	149.3 μm
Strength	Breaking Factor	MD	3.19 kgf/ mm^2
		TD	3.59 kgf/ mm^2
	Elongation	MD	127.8 %
		TD	154.0 %
Sealing		ASTM F88-85	3.5 kgf/15 mm
Light Transmission		ASTM D-1003	0.0 %
Surface Resistivity	Out	ASTM D-257	$1.27 \times 10^8 / \text{mm}^2$
	In		$1.44 \times 10^8 / \text{mm}^2$
	Metallized		-
Static Decay	Out	EIA 541	< 0.01 sec
	In		< 0.01 sec
Capacitive Prove		EIA 541	-
Piercing Degree of Strength		YC-Method	1.2 kgf
MVTR		ASTM F-12498	0.0 g/ m^2 24hr
OTR		ASTM D-3985	0.0 cc/ m^2 24hr 1atm

Tyvek EMI/ESD Shielding Bag Specification

Property		Test Method	Value
Thickness		ASTM D-374	229.45 μm
Strength	Breaking Factor	MD	3.80 kgf/ mm^2
		TD	4.35 kgf/ mm^2
	Elongation	MD	35.5 %
		TD	34.0 %
	Sealing		ASTM F88-85
Light Transmission		ASTM D-1003	0.0 %
Surface Resistivity	Out	ASTM D-257	$1.27 \times 10^9 / \text{mm}^2$
	In		$5.36 \times 10^9 / \text{mm}^2$
	Metallized		-
Static Decay	Out	EIA 541	< 0.01 sec
	In		< 0.01 sec
Capacitive Prove		EIA 541	-
Piercing Degree of Strength		YC-Method	2.4 kgf
MVTR		ASTM F-12498	0.0 g/ m^2 24hr
OTR		ASTM D-3985	0.0 cc/ m^2 24hr 1atm

Composition and Character of Ultra-strong Moisture Barrier Bag Specification.

Property		Test Method	Value
Thickness		ASTM D-374	134.45 μm
Strength	Breaking Factor	MD	7.31 kgf/ mm^2
		TD	7.55 kgf/ mm^2
	Elongation	MD	160.4 %
		TD	120.0 %
	Sealing		ASTM F88-85
Light Transmission		ASTM D-1003	0.0 %
Surface Resistivity	Out	ASTM D-257	$1.10 \times 10^8 / \text{mm}^2$
	In		$2.40 \times 10^8 / \text{mm}^2$
	Metallized		-
Static Decay	Out	EIA 541	< 0.01 sec
	In		< 0.01 sec
Capacitive Prove		EIA 541	-
Piercing Degree of Strength		YC-Method	2.6 kgf
MVTR		ASTM F-12498	0.0 g/ m^2 24hr
OTR		ASTM D-3985	0.0 cc/ m^2 24hr 1atm