

Cleanroom & ESD Tapes



ESD Marking Tapes

ESD Marking Tapes have 3 options, which are ESD Marking Tape, ESD Marking Tape with Printings and ESD Floor Marking Tape. All of them have ESD properties on both adhesive and back sides. They barely generate particles by adopting a plastic core and lint free film.

Applications

- Indication of "ESD Protected Area", "ESD Controlled Area", "ESD Safe Area", etc.
- Color coding
- Safety Markings

ESD Marking Tape

PVC tape with antistatic treatment on both sides



Item Code	M03T-000
Model	PT-CMT
Color	Green, Yellow, Blue, Red, White
Surface Resistance	10e7 ~ 10e9 ohm
Thickness	140 μ m
Size	1", 3/4", 2", 4" $\times$ 33 m, 1000 mm $\times$ 33 m (Jumbo roll)
Packing	60 rolls/ctn (25 mm $\times$ 33 m) 30 rolls/ctn (50 mm $\times$ 33 m)



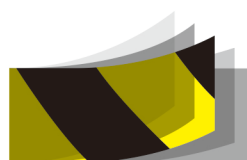
- Antistatic treatment
- PVC (110 μ m)
- Antistatic treatment
- Antistatic acrylic adhesive (30 μ m)

ESD Marking Tape with Printings

PET laminated PVC tape with printings and antistatic treatment on both sides



Item Code	M04T-000
Model	PT-CMP
Color	White, Blue, Yellow, Red, Green, Black&Yellow
Surface Resistance	10e7 ~ 10e9 ohm
Thickness	145 μ m
Size	1/2", 1", 3/4", 2", 4" $\times$ 33 m/roll, 1000 mm $\times$ 33 m (Jumbo roll)
Packing	60 rolls/ctn (25 mm $\times$ 33 m) 30 rolls/ctn (50 mm $\times$ 33 m)



- Antistatic treatment
- PET (15 μ m)
- ESD logo printed PVC (100 μ m)
- Antistatic treatment
- Antistatic acrylic adhesive (30 μ m)

ESD Floor Marking Tape

PET laminated PVC tape with ESD Symbol and the letter "ESD Protected Area"

Features

- ESD properties on both surfaces
- Printings will not wear off easily thanks to PET laminating layer
- Resistant to floor cleaners
- Good abrasion resistance
- Heavy duty
- Plastic core for less particles

Item Code	M05T-000
Model	PT-EMT
Color	Black printing on yellow
Surface Resistance	10e7 ~ 10e9 ohm
Thickness	145 μ m
Size	50 mm $\times$ 33 m / roll
Packing	30 rolls/ctn



- Antistatic treatment
- PET Film (15 μ m)
- Printed PVC Film (ESD symbol and "ESD Protected Area") (100 μ m)
- Antistatic treatment
- Antistatic acrylic adhesive (30 μ m)

ESD Packing Tapes

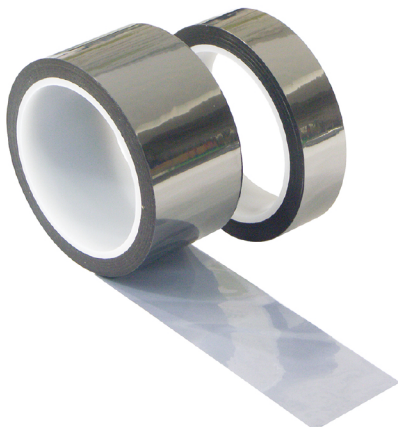
ESD Packing Tapes have been developed to protect static sensitive products from static electricity generated by triboelectricity when they are unrolled or removed from the objects. ESD packing tapes generate very low static voltage while normal tapes yield about 1KV to 9.5KV to 14KV under the same conditions.

Applications

- Bundle of DIP IC Tubes
- Seal Static Shielding Bags
- Pack Conductive IC Trays
- Pack Wafer Carrier
- Attach a Note in Cleanroom
- EMI Shielding
- Covers for External Plugs

Antistatic Utility Tape (Standard)

Metallized PET film with antistatic acrylic adhesive.



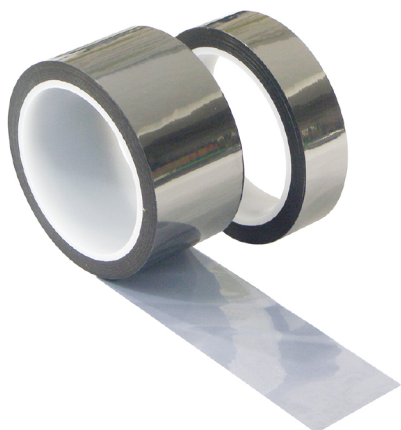
Item Code	M01T-000
Model	NAT-801
Surface Resistance	10e7 ~ 10e9, Back: 10e11 ~ 10e12 ohm
Thickness	50 μ m
Size	1/2", 1", 3/4", 2" $\times$ 50 m/roll, 1200 mm $\times$ 50 m (Jumbo roll)
Packing	100 rolls/ctn (25 mm $\times$ 50 m) 50 rolls/ctn (50 mm $\times$ 50 m)



- Metallized PET (25 μ m)
- Antistatic treatment
- Antistatic acrylic adhesive (25 μ m)

Antistatic Utility Tape (Halogen Free + Standard)

Metallized PET film with antistatic acrylic adhesive.



Item Code	M38T-000
Model	NAT-801
Surface Resistance	10e7 ~ 10e9, Back: 10e11 ~ 10e12 ohm
Thickness	50 μ m
Size	1/2", 1", 3/4", 2" $\times$ 50 m/roll, 1200 mm $\times$ 50 m (Jumbo roll)
Packing	100 rolls/ctn (25 mm $\times$ 50 m) 50 rolls/ctn (50 mm $\times$ 50 m)



- Metallized PET (25 μ m)
- Antistatic treatment
- Antistatic acrylic adhesive (25 μ m)

ESD Control Tape

Cellulose based synthetic film with antistatic acrylic adhesive



Item Code	M02T-000
Model	NAT-803
Surface Resistance	10e8 ~ 10e9, Back: 10e10 ~ 10e11 ohm
Thickness	55 μ m / 48 μ m
Size	1", 2" $\times$ 50 m/roll, 600 mm $\times$ 50 m (Jumbo roll) 800 mm $\times$ 50 m (Jumbo roll)
Packing	100 rolls/ctn (25 mm $\times$ 50 m) 50 rolls/ctn (50 mm $\times$ 50 m)



- Cellulose film (30 μ m/40 μ m)
- Antistatic acrylic adhesive (25 μ m/8 μ m)

ESD Control Tape with Printings

Cellulose based synthetic film with antistatic acrylic adhesive & ESD logo printings



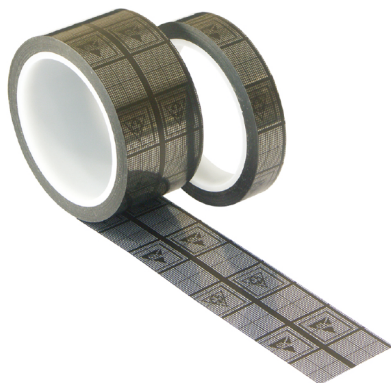
Item Code	M26T-000
Surface Resistance	10e8 ~ 10e9, Back: 10e10 ~ 10e11 ohm
Thickness	55 μ m
Size	1", 2" $\times$ 50 m/roll, 600 mm $\times$ 50 m (Jumbo roll)
Packing	100 rolls (25 mm $\times$ 50 m) 50 rolls (50 mm $\times$ 50 m)



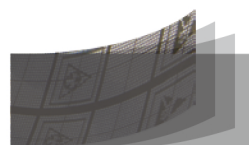
- Cellulose film (30 μ m)
- Antistatic acrylic adhesive (25 μ m)

Antistatic Grid Tape

Metallized PET film with ESD symbol and carbon grid printing



Item Code	M06T-000
Model	PT-CGT
Surface Resistance	10e7 ~ 10e9, Back: 10e8 ~ 10e9 ohm
Thickness	50 μ m
Size	1/2", 1", 3/4", 2" $\times$ 50 m/roll, 1000 mm $\times$ 50 m (Jumbo roll)
Packing	100 rolls/ctn (25 mm $\times$ 50 m) 50 rolls/ctn (50 mm $\times$ 50 m)



- Carbon Printing
- Metalized PET (25 μ m)
- Antistatic treatment
- Antistatic acrylic adhesive (25 μ m)

Antistatic OPP Tape

Antistatic treated OPP film tape with rubber adhesive



Features

- Keep semi-permanent antistatic properties
- Strong adhesive power
- Environment friendly material

Item Code	M20T-000
Model	PT-CGT
Surface Resistance	10e11 ~ 10e12, Back: 10e7 ~ 10e10 ohm
Thickness	67 $\pm$ 5 (Film: 40 μ m)
Size	1", 2" $\times$ 50 m/roll, 1000 mm $\times$ 50 m (Jumbo roll)
Packing	100 rolls/ctn (25 mm $\times$ 50 m) 50 rolls/ctn (50 mm $\times$ 50 m)



- Antistatic treatment
- OPP (40 μ m)
- Rubber adhesive (20 μ m)

Antistatic OPP Tape with Printings

Antistatic treated ESD logo printed OPP tape with rubber adhesive



Features

- Keep semi-permanent antistatic properties
- Strong adhesive power
- Environment friendly material

Item Code	M21T-000
Surface Resistance	10e11 ~ 10e12, Back: 10e7 ~ 10e10 ohm
Thickness	67 $\pm$ 5 (Film: 40 μ m)
Size	1", 2" $\times$ 50 m/roll, 1000 mm $\times$ 50 m (Jumbo roll)
Packing	100 rolls/ctn (25 mm $\times$ 50 m) 50 rolls/ctn (50 mm $\times$ 50 m)



- Antistatic treatment
- ESD Logo printed OPP (40 μ m)
- Rubber adhesive (27 μ m)

Masking Tapes

HT PET Masking Tape

High temperature PET film masking tape with silicone adhesive



Item Code	M12T-010-OG	M12T-011-OG	M12T-100-OG
Size	1170 mm×50 m	50 mm×50 m	1000 mm×50 m
Color	Olive Green		Olive Green
Backing Material	PET		PET
Adhesive	Silicone		Silicone
Thickness	60 μm		70 μm

Crepe Masking Tape

Crepe paper masking tape for painting on general/automotive/electric field



Item Code	M45T-001-YE	M45T-002-YE
Size	1250 mm×40 m	50 mm×40 m
Color	Yellow	
Backing Material	Crepe Paper	
Adhesive	Rubber	
Thickness	150 μm	

Polyimide Tape

Polymide film with thermal resistant silicone adhesive

Features

- Heat resistance: 250 °C
- Excellent solvent and chemical resistance

Applications

- Masking PCB during a wave soldering or a solder dip process



Item Code	M17T-000
Model	PT-PIT
Thickness	65 μm
Size	10 mm, 20 mm, 25 mm, 50 mm×33 m/roll, 1000 mm×33 m (Jumbo roll)
Packing	100 rolls/ctn (25 mm×33 m) 50 rolls/ctn (50 mm×33 m)



- Polyimide film (25 μm)
- Silicone adhesive (40 μm)

Antistatic Polyimide Tape

Polymide film with thermal resistant silicone adhesive and antistatic properties

Features

- Heat resistance: 250 °C
- Flame retardant
- Excellent solvent and chemical resistance

Applications

- Masking PCB during a wave soldering or a solder dip process



Item Code	M13T-000
Model	PT-APT
Thickness	65 μm
Surface Resistance	10e5 ~ 10e8 ohm
Size	10 mm, 20 mm, 25 mm, 50 mm×33 m/roll, 1000 mm×33 m (Jumbo roll)
Packing	60 rolls/ctn (25 mm×33 m) 30 rolls/ctn (50 mm×33 m)



- Antistatic treatment
- Polyimide film (25 μm)
- Silicone adhesive (40 μm)

Fabric Tapes

ESD Fabric Tape

Conductive 5 mm grid fabric with acrylic adhesive

Features

- ESD properties on both sides
- Very low particle generation
- No residue
- Soft and flexible
- Homogenous structures

Applications

- Cover for the edges of the ESD microfiber mats, pad and other mats



Item Code	M24T-001	M24T-100
Surface Resistance	10e6 ~ 10e8 ohm, Back: 10e5 ~ 10e7 ohm	
Adhesive Level (gf/25 mm)	900 (SUS), 1000 (PC)	
Thickness	200 μm	150 μm
Color	Dark Blue, Green, Yellow Green	Black
Size	40 mm × 30 m	35 mm × 30 m
Packing	50 rolls/carton	

[Dark Blue, Green, Yellow Green]



- PU Coated ESD Fabric (5 mm grid)
- Antistatic acrylic adhesive
- Releasing paper

[Black]



- Silicone layer
- Carbon PU coated fabric
- Antistatic acrylic adhesive
- Releasing paper

ESD Cleanroom Fabric Tape

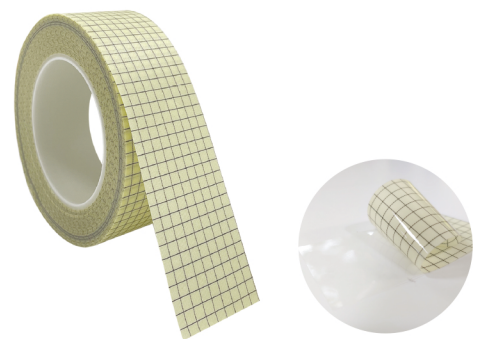
Conductive 5 mm grid fabric with acrylic adhesive

Features

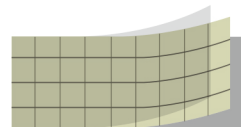
- ESD properties on both sides
- No particle generation
- No residue
- The thin fabric film makes it extremely flexible
- Easy to apply on any surface

Applications

- To cover work table for ESD safe and protection of the product
- To use it in controlled environment



Item Code	M43T-000
Available Sizes	0.13 mm(T) × 40 mm(W) × 30 m(L) 0.13 mm(T) × 100 mm(W) × 30 m(L)
Adhesive Strength	1000 ± 100 gf / 25 mm
Material	PU coated ESD fabric with acrylic adhesive and PET release film
Surface Resistance	10e6 ~ 7 ohm, Back: 10e7 ~ 10e8 ohm
Packing	50 rolls/carton



- PU Coated ESD Fabric (5 mm grid)
- Antistatic acrylic adhesive
- Releasing film

Static Shock Prevention Sticker

The Antistatic Sticker has surface resistance of $10e6 \sim 10e7$ ohm, which makes the static discharge slow enough to prevent the discomfort on contact to the grounded metal.

Item Code	M47T-001	M47T-002
Sticker Size	34 × 188 mm	
Color	Navy Blue	
Material	ESD Fabric, 5 mm check	
Releasing Paper Size	40 × 196 mm	
Surface Resistance	$10e6 \sim 10e7$ ohm	
Packing	10 pcs/pack	200 pcs/pack



Descriptions

- Prevents the uncomfortable tingling sensation caused by static electricity discharge when your hand touches grounded metal, especially in the dry Winter.
- If grounded surface resistance is over $10e9$ ohm, static electricity accumulates in human body.
- If grounded surface resistance is under $10e4$ ohm, rapid discharge occurs that causes the distinctive discomfort. It's notable that rapid static discharge may cause an explosion nearby flammable gas.
- The Antistatic Sticker has surface resistance of $10e6 \sim 10e7$ ohm, which makes the static discharge slow enough to prevent the discomfort on contact to the grounded metal.
- Attach the Antistatic Sticker where you want static discharge to be slow.
- The shape makes it applicable to the curved surfaces.
- If you are sensitive to the static electricity, making it double-layered will help.

Applications

Door handles, Car handles, etc.



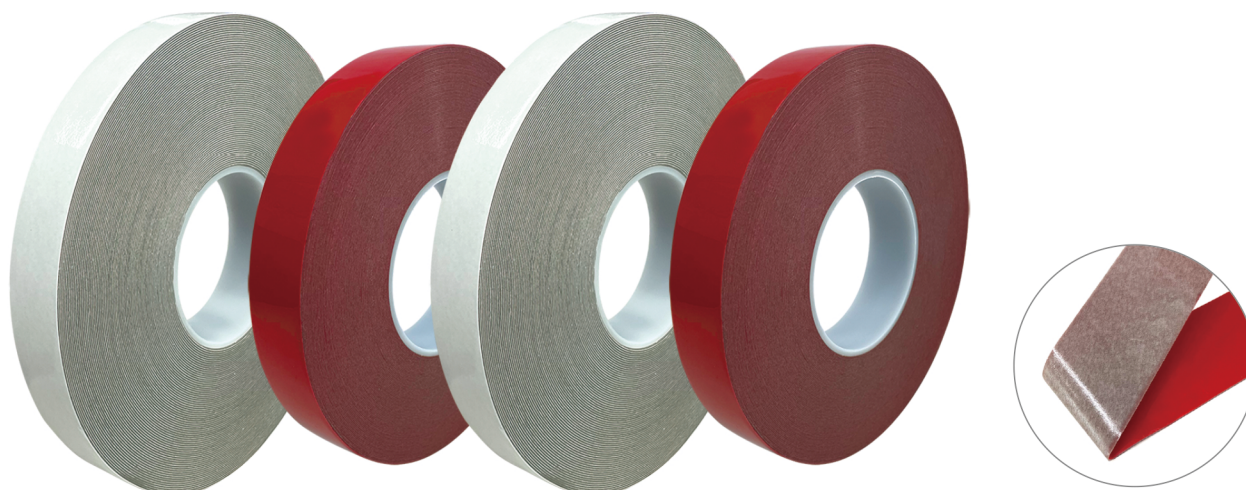
Industrial Tapes

| Acrylic Foam Tape New

Acrylic Double-Coated Foam Tapes are widely used in industrial applications such as automobiles, home appliances, construction, and electronics due to their excellent properties in shock absorption, sound damping, and sealing. They are particularly effective in reducing vibrations, minimizing noise, and providing a strong, reliable bond.

Applications

- General: Bumper protection, decorative trim, and various other mounting and sealing applications.
- Automotive: Side molding, emblems, dash display mounting
- Electronics: Panel fixing, sealing components
- Construction: Window and door sealing, panel mounting



Item Code	Color (Binder - acrylic foam)	Color (Liner - PE, Paper)	Thickness (mm)	Adhesion (20min.,gf/in)	Adhesion (72hr.,gf/in)	Retention (23°C)	Retention (80°C)	Width (mm)	Length (m)
M48T-001-TP	Clear	PE, Red	0.5	2400	4000	1000	500	900	33
M48T-001-BK	Black	PE, Red	0.5	2800	4500	1000	500	900	33
M48T-001-GR	Grey	PE, Red	0.5	2800	4500	1000	500	900	33
M48T-001-WH	White	PE, Red	0.5	2800	4500	1000	500	900	33
M48T-002-WH	White	PE, Red	0.8	2800	4500	1000	500	900	33
M48T-003-GR	Grey	Paper, White	0.8	2800	4500	1000	500	800	33
M48T-004-TP	Clear	PE, Red	1	2800	4000	1000	500	900	33
M48T-004-BK	Black	PE, Red	1	2800	4500	1000	500	900	33
M48T-004-WH	White	PE, Red	1	2800	4500	1000	500	900	33
M48T-005-GR	Grey	PE, Red	1.2	2800	4500	1000	500	900	33
M48T-005-WH	White	PE, Red	1.2	2800	4500	1000	500	900	33
M48T-006-WH	White	PE, Red	1.5	2800	5000	1000	500	900	33
M48T-007-WH	White	Paper, White	1.5	2800	5000	1000	500	800	20

Double Side Non-woven Tape

Double Side Non-woven Tape for connecting/tying of paper/film,



Item Code	M15T-010-WH	M15T-011-WH
Size	1000 mm × 50m	50 mm × 50 m
Color	White	
Backing Material	Non-woven	
Adhesive	Acrylic	
Thickness	100 μm	

Double Side PET Tape

Double Side PET Tape for tying up regular objects/surfaces.



Item Code	M14T-010-WH	M14T-011-WH
Size	1250 mm × 50 m	50 mm × 50 m
Color	Clear	
Backing Material	PET	
Adhesive	Acrylic	
Thickness	90 μm	

Aluminium Tape

Aluminium Foil, one face coated with acrylic based adhesive



Item Code	M25T-000
Temperature Range	5 ~ 125 degree C
Thickness	60 μm (AL foil, adhesive) + 130 μm (releasing paper)
Size	25 mm × 50 m, 50 mm × 50 m 1080 mm × 50 m (Jumbo roll)
Packing	40 rolls/ctn (25 mm × 50 m) 20 rolls/ctn (50 mm × 50 m)

* Applications: Radiation of heat for home appliances