



# 青岛拓美斯工贸有限公司

Qingdao Tormays Industry & Trade Co.,Ltd.





# Company profile

Qingdao Tormays Industry & Trade Co.,Ltd was found in 2018, located in Chengyang distric of Qingdao in Shandong province which is a manufacturer specialize in producing special pressure -sensitive adhesive tape and other adhesive products, integrating research and development, production and marketing. We provide a wide range of tapes.

Line of business of our company:

- 1.Tarps repair tape, it is a product uniquely designed for its intended purposes which ideally should not be replaced by duct tape. The tarp tape has a super heavy-duty mesh threading and a thick adhesive coat. You can simply patch up the tarp with our super heavy-duty tarp tape.
- 2.Other industrial tape like VHB tape, foam tape, Copper foil tape, PVC/PET tape, paper kraft tape, anti-slip tape, high temperature resistant tape, electrically conductive tape etc.
- 3.Support die cutting service and provide suggestions on tape using. We can recommend right tape according to customers application and help die cut to the shape and size that customers need.
- 4.Moreover, we have close cooperation with many excellent brother companies, so we can provide you one-stop service, also efficient and reliable technical service and support.Realize your ideas, we assure your excellence with low cost!

Our products are extensively used in Logistics and Transport Industry, optical industry (including mobile phone manufacturers, computer manufacturers, camera manufacturers, LCD manufacturers, etc.), semiconductor industry, automobile, electronics, LED, motor, transformer, electronic industry, microelectronic, information material, building, aviation and other industries.

If you are interested in any of our products or would like to discuss a custom order, please feel free to contact us. We are looking forward to forming successful business relationships with new clients around the world.





## Tarp tape



### Feature:

1. Special repair tape for tarpaulin, good adhesion, aging resistance, waterproof and sun protection.
2. Strong adhesion, the longer the time, the stronger the adhesion of the polymer. Long-lasting stickiness and tear resistance.

### Application:

Designed for the strengthening and repair of coated woven fabrics. A premium repair tape for indoor & outdoor applications where a strong but flexible backing is required. Suitable for use on PVC backed surfaces where long-term waterproof and air tight seals are required. Supplied on a release liner, it is ideal for converting into repair patches.

**Material:** 18oz PVC Fabric

**Adhesion to Steel:** 9.2 N/cm

**Service Temperature:** -10°C to 80°C

**Storage Temperature:** 15°C to 25°C

**Shelf Life:** 12 Months

## Duct tape



Base material(um)	Easy tear cotton	Standard
Thickness(um)	260±10p	
Initial adhesive(cm)	<5cm	PSTE-6
Peel strength(kg/inc)	>1.8kg/in	PSTE-1
Stickness(hrs)25mm*25mm*1kg	>10h	PSTE-7
Temperature resistance(°C)	50°C	Storage transportation
Test condition	23°C±2°C ×65%±15%	

### Feature:

Waterproof, easy to tear, humidity resistance

### Application:

Carton sealing, carpet joint splicing, heavy strapping, waterproof packaging.



## Acrylic foam tape



### Feature:

Waterproof, high temperature resistance, durability, excellent tensile strength, good mitigating vibratility, Strong viscosity

### Usage:

- 1.Remove oil, water,various solvents and oxides on adhesive surface.
- 2.Fully press after adhesion.
- 3.Operating temperature shall not be lower than 10 centigrade.

Project	Unit	Detection value	Test method
Adhesive		Acrylic	
Base material		Acrylic foam	
Color		Grey/Clear	
Thickness	mm	0.8/1.00±50 um	
Length	m	33	
Width	mm	840	
Tensile strength	gf/cm <sup>2</sup>	≥6,500/6,000	ASTMD-897
Adhesive force(when attached to stainless steel test plate and peeled at 180)	gf/25mm	≥3,700/3,400	ASTMD-3330
Durability(attached to stainless steel test board at 80C, lifting weight 1000g, testing)	Hr	>24	
Durability(attached to stainless steel test board at 20C, testing)	gf/25mm	≥3,700/3,000	ASTMD-1002
Durability(attached to stainless steel test board at 24 hours,testing)	gf/25mm	≥6,500/4,500	ASTMD-1002
Temperature resistance (attached to stainless steel test board at four hours, lifting weight 100g)	°C	160/120	
Temperature resistance (attached to stainless steel test board at 10000 minutes, lifting weight 250 C, high temperature testing)	°C	100	

## PE foam tape



Project	Result	Method	Remarks
Thickness	1.05mm	PSTE-3	
Initial viscosity(steel ball)	>15	PSTE-6	
180° peel(N/in)	>18N(foam tear)	PSTE-1	
Normal temperature holding power (N/in)	>24H	PSTE-7	
Acrylic gram weight	Normal oily foam tape, 40g±2g/m <sup>2</sup>		
Adhesive tape	Acrylic resin		
Base material name	IXPE foamed cotton and PE separated film		
Base material thickness	1.0MM		
Quality guarantee period	12 month		
Scope of application	Metal and plastic, cannot hold heavy power		
Temperature of application	-20℃-70℃		

### Feature:

Solubility, water resistance, high temperature resistance,anti-corrosion, anti-ultraviolet, non-toxic.

### Application:

Frame decoration strip, furniture decoration strip, automobile decoration strip, and automobile accessories bonding and fixing.



## Aluminum foil tape



Project	Standard	Limits of tolerance
Thickness	70u	±2u
Weight	130g/m <sup>2</sup>	±5%
Peel strength	≥0.7KN/m	
Adhesion force	≥48h	
Package	Tidy, firm and neat	
Appearance	No damage, good gluing effect, no wrinkling, leakage, full glue, non-drying glue and other phenomena on the surface.No bubbles, pinholes, dots, wireless stripes, etc. on the rubber surface of the product	
Material	No oxidation,discoloration	

### Feature:

High quality pressure-sensitive, strong adhesion, anti-aging.

### Application:

Aluminum foil tape is suitable for all kinds of transformers in electronic products. It's also the thermal insulation material in household electric application. Using in Pipeline transportation, etc.

## Copper foil tape



Adhesive	Acrylic Adhesive
Carrier Thickness(mm)	0.020-0.10
Total Thickness(mm)	0.03-0.15
Resistance(Ω)	<0.05
Color	Copper/black/silver
Conductive	Single side or double side
Initial Tack(kg/inch)	≥0.7
Application Temperature(°C)	20~120
Shielding Effectiveness(DB)	55-88
Width(mm)	Custom as customer request
Length(mm)	Custom as customer request

### Features:

- 1.Low surface oxygen characteristics;
- 2.Strong adhesion;
- 3.Good electrical conductivity, can eliminate electromagnetic (EMI) interference, isolate electromagnetic waves from harming the human body, and avoid the influence of unwanted voltage and current on Electric energy;
4. In addition, it has a good effect on static discharge after grounding.

### Application:

- It applies to all kinds of transformers, mobile phones, PDAs, PDPs, LCD monitors, notebook computers, copiers and other electronic products where electromagnetic shielding is required.
- Also can be used on stained glass soldering.



Eliminate guitar buzz and interference

Perfect for crafts and stained glass



## BOPP tape



Material	Butyl Acrylic glue or hot melt gluecoated on BOPP film
Acrylic adhesive	Butyl Acrylic glue /hot melt glue Based
Thickness	35--60um
Width	As customers' request
Core size	76mm paper core
Length	50m-1000m.As customers' request
Color	Clear,Transparent, Ultra-Transparent /hot melt glue etc
OME	Logo printed on paper core or others customized design
Application condition	Normal temperature
Feature	Highly viscous force,easy to use and low-costpackaging

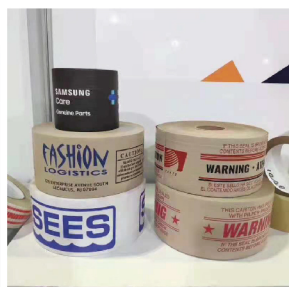
### Feature:

Strong stickness, excellent tensile strength, non-toxic, light weight, eco-friendly

### Application:

Product packaging and carton sealing

## Kraft paper tape



Product Name	Water activated Kraft Paper Tape or Self-adhesive kraft paper tape
Type	Plain or Print logo
Backing	Kraft paper
Size (width & length)	Can be customized as customer (Jumbo roll size or cut roll size)
MOQ	100 Rolls
Adhesive	Acrylic glue / Starch glue / Hot melt adhesive/ Rubber
Print logo	Can be customized
Paper weight	65G / 70G / 75G / 80G / 85G / 90G
Paper color	brown/ White /black Multi-color printing
Features	Eco-friendly , good adhesion , writable , printable , non-toxic
How To Use?	To apply, simply cut to size, wet the adhesive side of the paper with a sponge, spray bottle or rag to activate the adhesivethen stick to the box. Or, use a gummed tape dispenser machine (sold separately).
Features & Benefits	Water activated adhesive – must wet the tape for the adhesive to get sticky; Gummed paper tape is not self-adhesive.
	Ideal for high-volume, heavy-duty or industrial shipping and provides a professional, high-quality look.
	Waterproof tape backing keeps box intact in all weather conditions.
	Easy to unwind from roll.
	Excellent adhesion to duct board.



## Masking tape



Backing	Crepe paper
Specification	990mm × 1500m 或 1250mm × 1500m
Adhesive Type	Rubber
Total Thickness (um)	155/150/160/145um± 5um
Initial Tack	>12#/10#/12#/8#
180Steel Adhesion (N/25MM)	>7/6/7/9/6.5N/25mm
Tensile Strength (N/25MM)	>65/60/75/60N/25mm
Elongation(%)	>9%-13%
Cohesion (H/25MM)	>6H/4H/12H
Application (°C)	75/120/70°C

### Feature:

Strong peeling and adhesion, good fixation, solvent resistance, no residual, easy tear

### Application:

Used in decoration, spray painting, baking paint, etc. for covering and fixing semiconductor components.

## Ivy grip tape / Single side mould proof tape



IVY GRIP TAPE	
Base material	PU Nano
Common length	1m, 3m, 5m
Width	20mm, 30mm, 50mm
Thickness	0.5mm, 1mm, 2mm
Feature	supper clear,oil-free
Application	Home decoration, automotive part,office,advertise,machine industry...
Base material	Acrylic

Between two kinds of material difference,acrylic material sales more than PU Nano, also cheaper, it is in strong initial viscosity, so the removable time less.

SINGLE SIDE MOULD PROOF TAPE	
Base material	Acrylic
Common width	20mm, 30mm, 50mm
Thickness	0.5mm, 1mm, 2mm
Feature	Scratch, waterproof, dustproof, super clear,strong adhesive
Application	Kitchen stove and corner protective, car anti-bar usage

## PET tape



Project	Performance parameter	Test method
Base material	25uPET	/
Total thickness(mm)	205±5	PSTC-33
Initial tack	<100MM	PSTC-6
Peel strength(N)	>18	PSTC-1
Cohesion (hr/in)	>72	PSTC-7

### Feature:

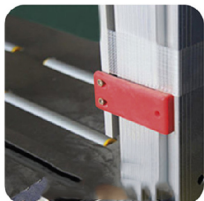
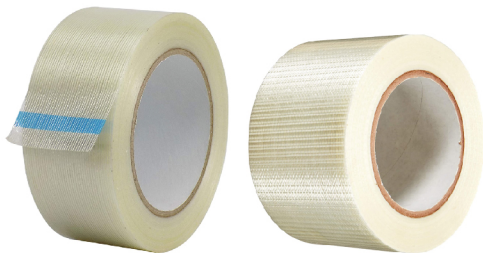
Thermal stability, chemical stability, good initial viscosity.

### Application:

It is suitable for the bonding of nameplates, decorations, and the bonding of plastics and rubber. Using more in automotive and electronic industry.



## Filament tape



Base material	PET film, grass fiber	/
Color	clear	/
Adhesive Type	synthetic rubber	/
Temperature range	-20°C~60°C	/
Total Thickness (um)	0.14/0.135	GB/T 7125-1999
Initial Tack	20/183	GB/T 4852-2002
180Steel Adhesion(N/25MM)	5/304	GB/T 2792-1998
Tensile Strength (N/25MM)	50/500	GB/T 7753-1987
Elongation (%)	3/8	GB/T 7753-1987
Cohesion(H/25MM)	≥48	GB/T 4851-1998

### Feature:

Special adhesive left no residue after peeled off; suitable for fixing refrigerators; air- conditioners and electrical appliances industry

### Application:

Use For Industrial, Electronics, Home Appliances And Other Industries In The Sealed, Bundled, Line And Other Fixed Connection. Such As Refrigerators, Computers, Toys, Fax Machines And Fixed Binding Of Thin Steel.



## Wire harness tape(fiber polyester)



Property	Value	Unit
Total thickness	0.3	mm
Tensile strength	20	N/cm
Elongation at break	10	%
Adhesion Strength	2.5	N/cm
Unwind force	2~5	N/cm
Machine processing temperature	-40~105	°C

**Material:** fiber polyester

**Temperature resistance:** -40 to 150°C

**Thickness:** 0.2mm

**Total length:** 20m

**Tensile strength:** 200 N/cm

**Peeling force:** 3.2 N/cm

**Features:** flame retardant, abrasion resistance, high temperature resistance, hand-tearable, anti-static, anti-corrosion

**Purpose:** car engine compartment, protection wiring harness

## Wire harness tape(fiber flannel)



Property	Value	Unit
Total thickness	0.3	mm
Tensile strength	20	N/cm
Elongation at break	10	%
Adhesion Strength	2.5	N/cm
Unwind force	2~5	N/cm
Machine processing temperature	-40~105	°C

**Material:** fiber polyester

**Temperature resistance:** -60 to 140°C

**Thickness:** 0.4mm

**Total length:** 15m

**Tensile strength:** 200 N/cm

**Peeling force:** 3.2 N/cm

**Features:** flame retardant, abrasion resistance, high temperature resistance, hand-tearable, anti-static, anti-corrosion

**Uses:** Mainly used for winding wire harness near the automobile engine where high temperature resistance is required. Such as cab, door panel, truck wiring harness winding.

## Tissue tape

### Features:

High tensile strength, high shear and peel adhesion resistance to plasticizer. Resists stress, fatigue, vibration, heat, waterproof, cold, temperature acrylic moisture, solvents.

### Usage:

Sticking mirror, envelopes, map, computerized embroidery, stationery, photos, advertisement, hook, signboard, shoes, clothing, leather, carpet jointing, hardware, protecting and book mending etc.  
Office, decoration, furniture, holding, building decoration, ordinary wrapping, splicing, industrial applications and daily use accessories, medical industry, fill crack, car mark adhesive, electronic appliance sand protection for glass board, etc.



## Direct thermal label



Product name	Direct thermal label
Size	58*40mm, 60*40mm, 58*60mm, 50*25mm, 50*32mm or as your requirement
Color	white or custom request
Paper core (ID/OD)	1" paper core(25mmx31mm) 1.5" paper core (40x45mm) 3" paper core(76mmx85mm)
Material	75gsm thermal paper (no need ribbon to printed)
Feature	waterproof, oil resistance, scratch resistance, strong adhesive, clear printing effect
Advantage	BPA free, Non-toxic, no odor, no overflow glue
Adhesive	15 to 18g permanent glue, eco-friendly
Back paper	60gsm white/yellow/blue glassine
Labels/roll	220/250/350/400/500/1000 labels per roll or custom request
OEM/ODM	available, and we provide professional design





## Electrically conductive cloth tape



Size	Custom
Material	Polyester fiber cloth
Adhesive	conductive resin
Base Material	Conductive Fabric
Thickness	around 0.12mm
Initial Adhesion (N/25)	8N/25mm
Retentivity (hr/kg/25mm)	>24 hr
Surface Impedance	$\leq 0.05$
Adhesive Impedance	$\leq 0.05\text{mm}$
Shielding Efficiency (db)	65~85db
Recommend Using Temp. (C)	-20C ~ 80C

### Feature:

Suitable for conductive cloth, conductive foam, copper foil, aluminum foil and other materials. With low surface resistance materials, EMI shielding, electrostatic discharge and guidance can be achieved. Low impedance value less than  $0.01\Omega$ , with good continuity.

### Application:

1. Microelectronics assembly, mobile communication, shielding material for preventing EMI interference; EMI electromagnetic screen is bonded to the housing; electronic components need to be both conductive and prevent electromagnetic interference
2. Bonding of circuit board metal case to liquid crystal panel and printed circuit board
3. Conductive fabric, copper/aluminium foil metal conductive circuit, EMI/RFI electromagnetic interference prevention, RF material backing adhesive
4. Flexible circuit board is bonded to hard circuit board, ITO glass, etc.



EMI shielding room



Cable shielding



Wire conduction



Signal shielding

## Anti-slip tape



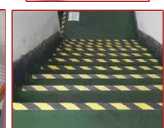
Material	PVC+Quartz sand
Adhesive	High performance pressure-sensitive acrylic adhesive.
Colour	Black/White/Grey/Transparent/Luminescent/Yellow/Red/Yellow&Black/etc.
Thickness	0.65mm/0.75mm
Size	Width:20mm/25mm/38mm/48mm/50mm/100mm/etc. Length: 5m/10m/15m/18.3m/20m/25m/etc. Jumbo roll:1070mm*60m/100m or customized.
Advantage	High quality/Best service/Popular design/fast delivery time/Cheaper price

### Features:

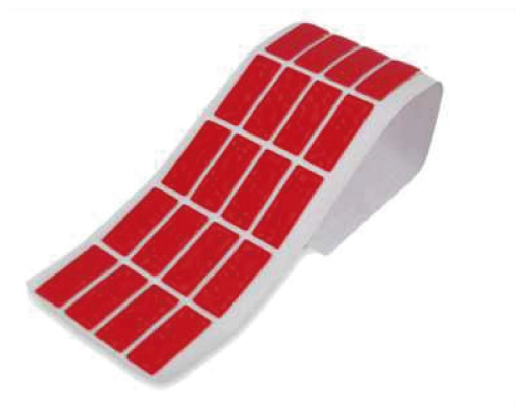
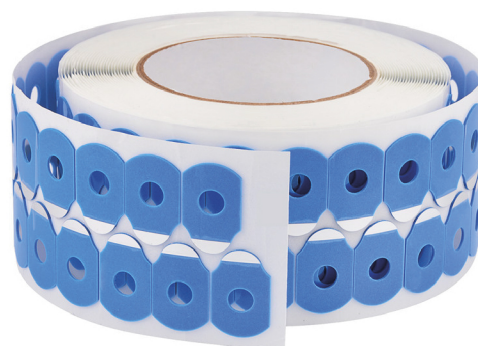
1. Anti Slip Tape, new and high quality.
2. Reduce the risk of slip accidents, fit to outdoors or indoors.
3. Also can be used in skateboard, scooter, treadmills, exercise machine etc.
4. Can be cut to the smaller, easily cut.
5. Self-Adhesive, convenient to paste, use easily.



Non-slip tape



## Die cutting





## 3M-CP5108



Product Name	3M CP5108
Color	Gray
Adhesive	Acrylic
Adhesive Side	Double sided
Feature	Heat Resistant, Waterproof
Release Liner	Red PE Film
Width	5-600MM arbitrarily
Jumbo Roll Size	Width 610mm*Length 33m
Length	3M/33M/customized
thickness	0.8MM
Long-term temperature resistance	70°C
Short-term temperature resistance	93°C
viscosity	Medium high viscosity
Core material	Roll core
Construction temperature	10°C-38°C
Use industry	Electronics, automobile, home

**Not suggestion application environment:** Inferior wall, water stained wall, rough wall and peeling wall

**Suggested Temperature:** Long term temperature resistance 70°C short term temperature resistance 121°C

## 3M 4910



Product name	3M VHB 4910
Carrier	Acrylic foam
Adhesive side	Double sided
Color	Transparent
Size	600mm*33m, Custom size based on your need
Thickness	1.0mm
Temperature Resistance	Long Term: 121°C, Short Term: 149°C
Release liner	Red PE film

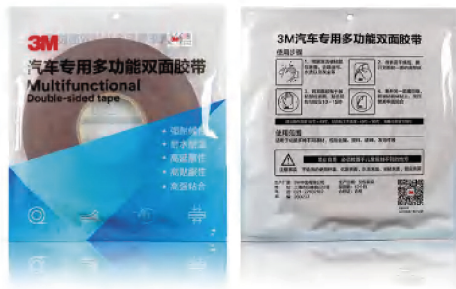
### Feature:

- Fast and easy-to-use permanent bonding method provides high strength and long-term durability.
- Virtually invisible fastening keeps surfaces smooth.
- Can replace mechanical fasteners (rivets, welds, screws) or liquid adhesives.
- Eliminate drilling, grinding, refinishing, screwing, welding and associated clean-up.
- Creates a permanent seal against water, moisture and more.
- Pressure sensitive adhesive bonds on contact to provide immediate handling strength.

### Application:

- Applied for furniture, construction and flexible conjunction for decoration. automobile foam tape used for rough and even surface. sticking signboard, mirror, map etc., also apply to eliminating sound and reduce vibration packing for electric accessories and protection for glass board, etc..

## 3M-4229



Product name	3M 4229P
Color	Grey
Jumbo Roll Size	Width 610mm*Length 33m
Backing	Proply acid
Adhesive	Acrylic solvent based
Liner Type	Red Polyethylene Film
Tack	≥6#
Tensile strength	≥20N/25MM
Temperature Resistance-Initial	200 Degree Fahrenheit
Temperature Resistance-Long Term	130 Degree Fahrenheit
180 peeling	≥14N/25MM
Breakaway Peel	8.6 kg(19 lbs.)
Continuing Peel	4.1 kg(9 lbs.)

### Use:

Body side moldings; stainless steel,ABS and PVC rocker panels; wheel lip moldings, door edge moldings, nameplates orname

### Features:

High performance peel and shear adhesion, high internal strength, good conformability and excellent plasticizer resistance

## Adhesion promoter primer



4298UV

K 520



Product name	Adhesion promoter primer
Solids	Approximately 6%
Style	Small bag packaging,can packaging
Material	Ingredient: cydohexane 45-50% m-Xylene 10-15% o-Xylene 5-12% ethybenzene 3-5% EPOXY RESINS 0.1-1%
Capacity	2ml(small bag)946ml(can)
Flashpoint	-4°F(-20°C) O.C.
Coverage	600 sq.ft. (211 sq. m/l) per gallon
Viscosity	35±5 cps

### Tips for using:

- Surface Preparation: The bonding surface must be relatively clean and dry.Contaminated surfaces should be cleaned with a 50/50'Isopropyl Alcohol and water mixture.
- Make sure the primed surface remains free from contaminants before you apply the tape.

### Application:

- Shake the primer before using.
- Leave the primer for a few minutes before applying tape. This is usually accomplished in 5 minutes at room temperature.
- Primer 94 may be applied with brush or swab. It can also be applied with a pressurized flow gun, knurled roller or other similar type of application equipment.

### Clean-up:

- Primer can be removed with isopropyl alcohol.Vigorous scrubbing may be required.
- Avoid any contacts with eyes and skin.
- This product is unsuitable for kids.

### Features:

- Tape Primer can ONLY be used to promote adhesion of tapes to surfaces such as polyethylene, polypropylene,ABS,PET/PBT blends, concrete, wood, glass, metaland painted metal surfaces.



## Production process



**1 Warehouse**



**2 Coating(1)**



**3 Coating(2)**



**4 Heating**



**5 Rewinding**



**6 Cutting**



**7 Shrunked**



**8 Label sticker**



**9 Product**



**10 Packing into box**



**11 Packing**



**12 Loading**

## Die cutting workshop



A person is shown from the waist down, wearing blue jeans, using a blue manual tape dispenser to seal a cardboard box. The dispenser is a Tormays brand, featuring a blue plastic handle and a metal frame. A roll of clear packing tape is mounted on the dispenser. The person's hands are visible, one holding the handle and the other guiding the tape. The background is a solid blue color.

# TORMAYS

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