

GTG MANUFACTURING SDN. BHD.
(968289-M)



PRODUCT CATALOGUE



INTRODUCTION



ABOUT US

GTG Manufacturing Sdn. Bhd. was established in November 15th, 2011 with the aim to supply Superior Quality Adhesive Tapes to our esteemed customers at competitive pricing.

Among the different types of Self-Adhesive Tapes that we are supplying to our customers in the form of Jumbo Rolls, Log Rolls or Finished Rolls includes the Single Sided Tapes such OPP Packing Tape, Masking Tape, PVC Black Protection Tape, PVC Floor Marking Tape, PVC Insulation Tape, PE Protective Film, Cloth Duct Tape, Aluminium Foil Tape, Filament Tape, Teflon Tape, Kapton Tape, Stationery Tape, Cellulose Tape and others.

We also supply Double Sided Tapes (i.e Tissue, EVA, PE, PP and Acrylic Foam Tape) as well as Protection Film for various surfaces (i.e Electronic Devices, Injection Moulds, Automotive, Construction Glass, Acrylic Boards, Carpet, Stainless Steel, Aluminium Profile, Ceramic Tiles, PVC & PET Plastic Sheets).

At GTG, every product created has been tailored to meet specific customer's requirements in myriad of industries ranging from Packaging, Automotive, Electrical, Advertising, Printing, Logistic, Aluminium & Glass, Fashion and others.

As a show of our sincere gratitude to our huge base of customers, we dedicate our ongoing works and efforts in constantly looking for ways to serve astute clients like yourself better than before.

OUR MISSION

We aim to provide our customers with the Superior Quality Sensitive Adhesive Tapes at Competitive Pricing.

OUR VISION

To be our customers best source for Adhesive Tapes and Packaging Material.



MAIN FACTORY



CONVERTING PLANT & HEAD OFFICE

COMPANY CERTIFICATION



ISO 9001



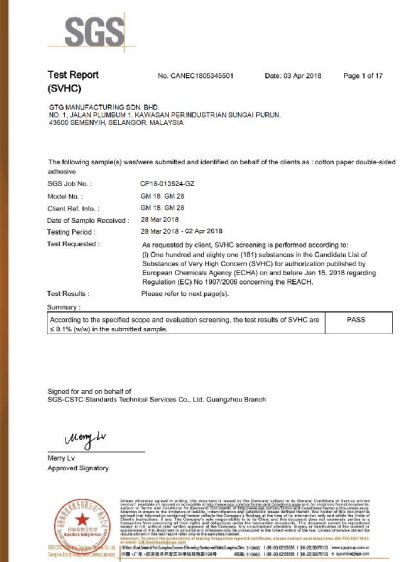
ISO 14001



CE CERTIFICATE



SGS CERTIFICATE



WORKSHOP OVERVIEW

PRODUCTION LINE



OUR CLEAN ROOM FACILITIES CLASS 1000



LABORATORY & WAREHOUSE

TAPE & FILM TESTING LABORATORY



WAREHOUSE



WAREHOUSE

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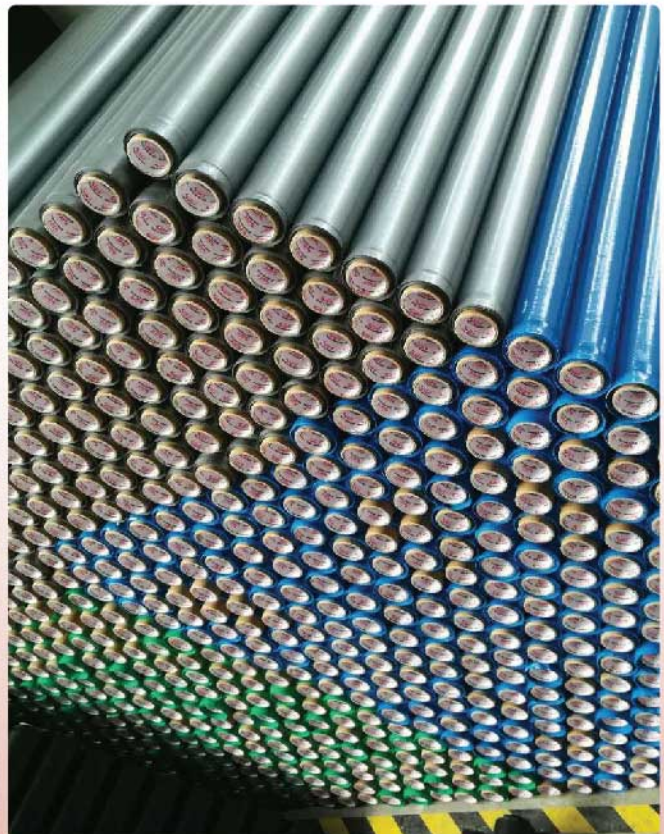
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ADHESIVE TAPES PACKING SIZES

JUNBO ROLL



LOG ROLL



FINISHED ROLL



PACKING



Different Types of Adhesives

Synthetic Rubber Based Adhesive (Hotmelt)

They are produced through fusion of synthetic resins and thermoplastic rubbers in heat conditions. They have good adhesive and cohesive properties, up to 50 - 60°C. For their production, no solvent is used. Their features are high adhesion, stickiness and good resistance to humidity.

Water-Based Acrylic Adhesive

Adhesives including acrylic polymers in water dispersion, made evaporate during coating. Excellent resistance to heat, fair resistance to solvents, good resistance to plasticizers and very good resistance to ageing and U.V. rays. Suitable for many applications.

Solvent-Based Acrylic Adhesive

Acrylic polymers in this case are dissolved in solvents than extracted in proper ovens during coating. Excellent adhesion and resistance to temperature, solvents, chemical agents, humidity, exposure to light and ageing. They offer secure performance in different applications.

Natural Rubber Based Adhesive

They are made of natural rubbers dissolved in solvent, which, during coating, is dried in special ovens and recovered for new productions. They have good adhesion properties, good resistance to solvents, high "softness". They offer excellent functionality in many applications thanks to their versatility.

Storage & Applications

Best temperature for the adhesive tape application ranges from 18°C and 25°C in a dry environment, and it is preferable not to apply the tape with temperatures lower than 10°C. If application temperatures are substantially different to those shown, consider that adhesives can behave differently according to their chemical nature.

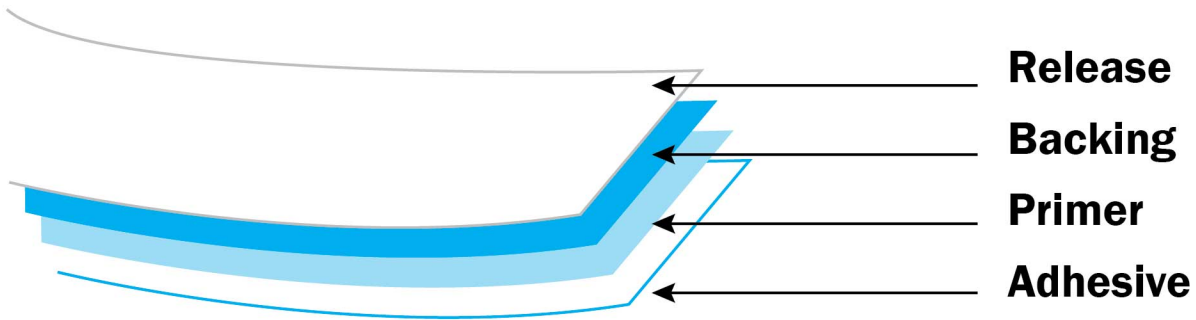
Advice for the application of Adhesive Tapes

- ◆ Do not apply on surfaces contaminated by dust, oil, liquid & anti-adhesive
- ◆ Do not use paints containing additives which could reduce adhesive properties
- ◆ Preferably apply the tape on smooth, clean & dry surfaces as it increased adhesion
- ◆ In case of rough or irregular surfaces, it is better to use tapes with higher/stronger adhesion
- ◆ Avoid contact with surfaces containing plasticizers or others chemical agents not compatible with the tape

Suggested storage temperature shall range from 15 to 25°C with max. relative humidity of 65%. With a storage temperature lower than 10°C, it is always suggested ambient temperature reconditioning of the tape before its use; material shall be stored away from heat sources and possibly kept in the original package, avoiding light exposure as well.

Single Sided Adhesive Tape

A Self-Adhesive Tape is a strip of material with adhesive properties, this means that with a slight pressure it can stick to different surfaces at normal temperature conditions. Single-Sided Adhesive Tapes is where the adhesive is applied ("coated") on one side of the film or the backing while the other side is coated with release coating.

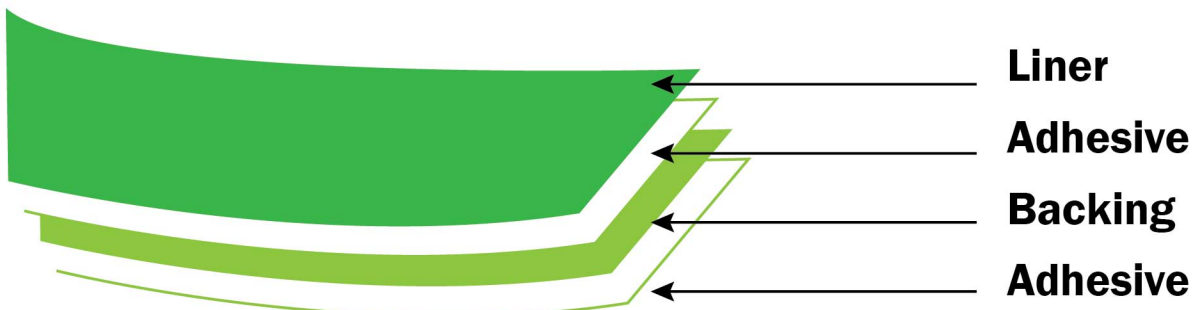


Different types of Single Sided Adhesive Tapes includes :

OPP Packaging Tape, OPP Printed Tape, Colored OPP Tape, Masking Tape GP & Hi-Temp, Printed Masking Tape, Colored Masking Tape, Rice Paper Tape (Washi Tape), PVC Insulation Tape, PVC Protection Tape, PVC Lane Marking Tape, Cloth Duct Tape, Aluminum Foil Tape, Paper Gummed Tape, Stationery Tape, Cellulose Tape, Kraft Tape, Metalized Tape, Teflon Tape, Filament Tape, Anti-Static Tape, Kapton Tape & Caution Film.

Double Sided Tape

Double-Sided Adhesive Tape is where the adhesive is coated on both sides of the carrier while it is separated by the release liner . A Release Liner is normally a siliconized paper or siliconized film and it's main function is to prevent the carrier from sticking together.



Different types of Double Sided Tapes includes :

Double Sided Tissue Tape, Double Sided EVA Foam Tape, Double Sided PE Foam Tape & Double Sided Acrylic Foam Tape

MASKING TAPE



GENERAL PURPOSE MASKING TAPE

For non-critical bundling and labelling applications. Also used for general purpose packaging, wall painting, car repairing, holding and splicing applications for home, school and industry

- Cost effective solution for indoor light-duty applications
- Crepe paper backing provides easy tearing
- Excellent adhesion to metal, rubber, plastic and fibreglass
- Clean, flat edges for sharper paint lines
- Ideal for marking, temporary holding, and sealing
- Solvent and moisture-resistant

Product	Max. Temp Resistance for 30min	Total Thickness	Initial Tack	Peel Adhesion	Tensile Strength	Elongation % at break
		(um)	(#)	(N/in)	(N/in)	
MTGP12	60 °C	120-130	5↑	6↑	60↑	8%
MTGP13	60 °C	130-140	5↑	6↑	60↑	8%
MTGP14	60 °C	140-150	5↑	6↑	60↑	8%
MTGP15	60 °C	150-160	5↑	7↑	65↑	8%



MEDIUM TEMPERATURE MASKING TAPE

Designed for transportation, marine and metal fabrication industries, as well as for wet sanding. It resists paint bleed-through, it can be used in temperatures up to 80°C and removes cleanly when the job is done

- Temperature-resistant up to 80°C
- Easy tearing and residue-free removal
- Clean, flat edges for sharper paint lines
- Provides conformability on irregular surfaces and around corners
- Solvent and moisture-resistant

Product	Max. Temp Resistance for 30min	Total Thickness	Initial Tack	Peel Adhesion	Tensile Strength	Elongation % at break
		(um)	(#)	(N/in)	(N/in)	
MTGP13-MT	80 °C	130-140	8↑	5↑	50↑	8%
MTGP15-MT	80 °C	150-160	8↑	6↑	60↑	8%

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CLOTH DUCT TAPE



CLOTH DUCT TAPE - SYNTHETIC RUBBER

General use in patching, bundling, reinforcing, taping / splicing insulation, capping pipe, protecting against light sandblast overspray, packaging, sealing, repairing, carpet joining, marking & labelling

- Water-resistant backing seals and protects against humidity and moisture
- Tears easily by hand and provides ease of application and handling
- Instant adhesion to a wide variety of surfaces
- Tightly woven scrim provides high tensile strength

Technical Data	Product	Adhesive	Total Thickness		Initial Tack (#)	Peel Adhesion		Tensile Strength		Elongation % at break
			(um)	(mil)		(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	
	CTSR423	Synthetic Rubber	230	9.1	12↑	19↑	68	95↑	21	15%
	CTSR425		250	9.8	13↑	19↑	68	95↑	21	15%
	CTSR427		270	11.0	14↑	23↑	83	95↑	21	15%

CLOTH DUCT TAPE - NATURAL RUBBER

For non-critical, general use in packaging, bundling, sealing, repairing, holding, book binding, carpet joining, taping / splicing insulation, reinforcing, patching, tabbing, marking & labelling

- Provides a tight, moisture-resistant seal in many containment situations
- Sticks immediately and stays on for up to one year without deterioration
- Good conformability
- Designed for heavy duty

Technical Data	Product	Adhesive	Total Thickness		Initial Tack (#)	Peel Adhesion		Tensile Strength		Elongation % at break
			(um)	(mil)		(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	
	CTNB23	Natural Rubber	230	9.1	15↑	8↑	29	70↑	16	15%
	CTNB25		250	9.8	18↑	8↑	29	95↑	21	15%
	CTNB27		270	10.6	20↑	8↑	29	95↑	21	15%
	CTNB30		300	11.8	23↑	9↑	32	95↑	21	15%
	CTNB36		360	14.2	25↑	9↑	32	95↑	21	15%
	CTNB42		420	17.5	25↑	10↑	36	95↑	18	15%

PRINTED CLOTH DUCT TAPE

Ideal for crafting, decorating and colour coding, patching, bundling, reinforcing, taping / splicing insulation, capping pipe, book binding, packaging, sealing, repairing, carpet joining, marking & labelling

- Instant adhesion to a wide variety of surfaces, including metal, glass, plastic and sealed concrete
- Tightly woven scrim provides high tensile strength, which is ideal for bundling applications
- Durable, waterproof backing seals and protects against humidity
- Tears easily by hand and provides ease of application and handling

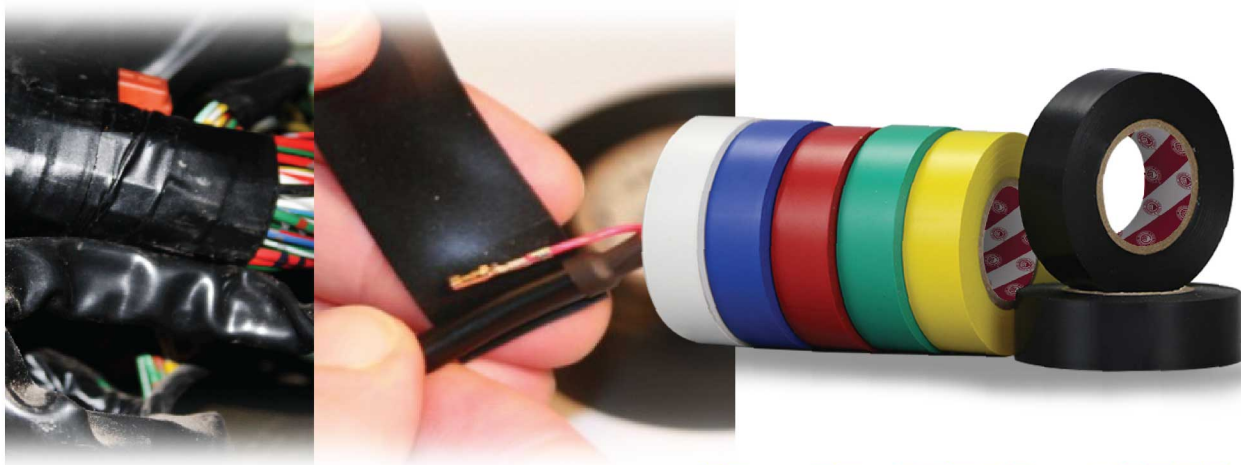
Technical Data	Product	Adhesive	Total Thickness		Initial Tack (#)	Peel Adhesion		Tensile Strength		Elongation % at break
			(um)	(mil)		(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	
	CTP30-2	Synthetic Rubber	210	8.3	8	18	65	65	14	15%



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PVC TAPE

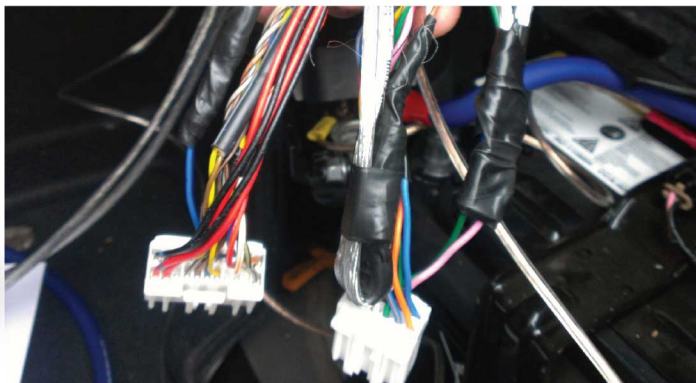


PVC INSULATION TAPE

Insulating, tabbing & wrapping of electric wire / cables under 600V and 80°C

- Good thermal and electrical insulator and well adaption in sudden change of temperature
- Well conformable on applications due to strong tack adhesive
- Provides high resistance to UV rays, abrasion, moisture, alkalis, acids, corrosion and varying weather conditions

Product	Total Thickness		Peel Adhesion	Strength to Backing	Tensile Strength	Elongation % at break	Break down voltage
	(um)	(mil)	ASTM D-1000 (N/cm)	ASTM D-3330 (N/cm)	ASTM D-1000 (kv)	ASTM D-3759	ASTM D-1000 (kv)
ITEB12	120	4.7	1.4	1.4	18	150%	5
ITEB13	130	5.1	1.4	1.4	20	150%	5
ITEB15	150	5.9	1.4	1.4	22	170%	5.5
ITEB18	180	7.1	1.4	1.4	24	190%	6
ITEB20	200	7.9	1.4	1.4	25	190%	6
ITEAA10	100	3.9	1.4	1.4	18	150%	5
ITEAA12	120	4.7	1.4	1.4	20	160%	5
ITEAA13	130	5.1	1.5	1.5	22	180%	5.5
ITEAA15	150	5.9	1.5	1.5	22	200%	5.5
ITEAA18	180	7.1	1.5	1.5	24	220%	6



PVC AUTOMOTIVE WIRE HARNESS TAPE

Suitable as repairing material for fixing loose part of automobiles, coil wrapping, anchoring, harnessing, holding and insulating wrapping of electric wire and cables below 600 Volts

- Provides high resistance to UV rays, abrasion, moisture, corrosion and varying weather conditions
- Excellent thermal & electrical insulator
- Resists chemicals and solvents

Product	Total Thickness		Temperature Resistance	Peel Adhesion	Strength to Backing	Tensile Strength	Elongation % at break	Break down voltage
	(um)	(mil)		ASTM D-1000 (N/cm)	ASTM D-3330 (N/cm)	ASTM D-1000 (kv)	ASTM D-3759	ASTM D-1000 (kv)
ITEB11	110	4.3	80	1.2	1	16	160%	6



PVC EASY TEAR TAPE

Apply for carton sealing, surface protection, light duty packing, bundling, holding, construction, repairing, piping, and other applications where a pressure-sensitive tape is needed

- Premium grade adhesive with high degree of softness allow for a well-fit surface
- Easy tear by hand

Product	Total Thickness		Peel Adhesion	Tensile Strength	Elongation % at break
	(um)	(mil)	(N/in)	ASTM D-3759 (N/cm)	ASTM D-3759
ETT15	150	5.91	2.5	20	130%
ETT18	180	7.08	2.5	22	130%

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PVC FLOOR (LANE) MARKING TAPE

Widely used in facility floor, lane, hazard warning, aisle marking, colour coding canister and storage container sealing, bundling, reinforcing, decorating and industrial applications

- Resistant to aging, UV, water, fungus, bacteria, oil, acid, alkali, solvent and corrosive chemicals
- Easily remove without damaging the floor or leaving adhesive residue
- Excellent adhesion and good cohesion strength



Technical Data	Product	Total Thickness		Peel Adhesion (N/in)	Tensile Strength ASTM D-3759 (N/cm)	Elongation % at break ASTM D-3759	Unwinding strength (N/cm)
		(um)	(mil)				
	FMT13	130	5.1	3.75	40	130%	2-4
	FMT15	150	5.9	3.75	40	140%	2-4
	FMT18	180	7.1	3.75	45	150%	2-4



PVC BLACK PROTECTION TAPE

Ideally suited for protection against rusting, dirt, UV, or scratches on the aluminium surface in a short term basis

- Bacteria and fungus resistant with strong anti-aging properties
- Premium grade adhesive with high degree of softness allow for a well-fit surface
- Highly resistant to UV, water, oil, acids and corrosive chemicals
- Anti-abrasion due to feature of high resistance against solvent and climate temperature

Technical Data	Product	Total Thickness		Peel Adhesion (N/in)	Tensile Strength ASTM D-3759 (N/cm)	Elongation % at break ASTM D-3759
		(um)	(mil)			
	BT12	120	4.7	1.5	20	130%
	BT13	130	5.1	1.5	20	130%
	BT15	150	5.9	1.5	20	130%

PVC PIPE WRAPPING TAPE

Ideal for corrosion protection and ground pipes such as air duct, water pipe and oil pipe line

- Highly conformable, non-corrosive adhesive
- Resistant to corrosive salt water, soil acids, alkalis and salts common chemicals, chemical vapours
- Outdoor weathering, UV, impact, abrasions, punctures, and tears resistant
- Easy unwinding

Technical Data	Product	Total Thickness		Peel Adhesion (N/in)	Tensile Strength ASTM D-3759 (N/cm)	Elongation % at break ASTM D-3759	Unwinding strength (N/cm)
		(um)	(mil)				
	PWT13	130	5.1	3.75	20	130%	2-4
	PWT15	150	5.9	3.75	22	140%	2-4
	PWT18	180	7.1	3.75	25	150%	2-4



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OPP PACKING TAPE



OPP TAPE

Commonly used for heavy-duty carton sealing, industrial packaging, product bundling and wrapping purposes

- Good holding power and economical for carton sealing
- Highly conformable on most surfaces
- Available in clear that assures maximum readability of carton markings
- Good cutting effect and excellent operation with general purpose packaging machines

Product	Total Thickness (um)	Peel Adhesion		Tensile Strength		Elongation % at break
		(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	ASTM D-3759
OTT38	38	4↑	14	60-100	17	100%
OTT40	40	4↑	14	60-100	17	100%
OTT42	42	4↑	14	60-100	17	100%
OTT45	45	4.5↑	16	70-110	19	100%
OTT50	50	5↑	18	70-110	19	100%
OTT65	65	6↑	22	80-120	22	100%
OTT70	70	6↑	22	80-120	22	100%
OTB40	40	4↑	14	60-100	17	100%
OTB45	45	4.5↑	16	60-100	17	100%
OTB50	50	5↑	8	70-110	17	100%



COLOURED OPP TAPE

Widely used in industry for carton sealing, bundling, package beautifying and package identifying.

- Flexible and waterproof with superior stretch & puncture resistance
- Highly conformable on most surfaces
- High shear strength, superior quick stick, easily applied

Product	Total Thickness (um)	Peel Adhesion		Tensile Strength		Elongation % at break
		(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	ASTM D-3759
OTC38	38	4↑	14	60-100	17	100%
OTC40	40	4↑	14	60-100	17	100%
OTC42	42	4↑	14	60-100	17	100%
OTC45	45	4.5↑	16	70-110	19	100%
OTC50	50	5↑	18	70-110	19	100%
OTC65	65	6↑	22	80-120	22	100%
OTC70	70	6↑	22	80-120	22	100%

PRINTED OPP TAPE

Commonly used for carton sealing with logo printed, industrial packaging and product bundling such as vegetables & fruits, medical product, furniture, scientific apparatus, electronic products

- Custom printed is able to meet requirements and convenient to product information labelling
- Strong initial binding force with one-touch sticky when applied on substrates
- Highly conformable on most surfaces



Product	Total Thickness (um)	Peel Adhesion		Tensile Strength		Elongation % at break
		(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	ASTM D-3759
OTP50	50	5↑	17	60-100	17	100%
OTP55	55	5↑	17	70-100	19	100%

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STATIONERY TAPE

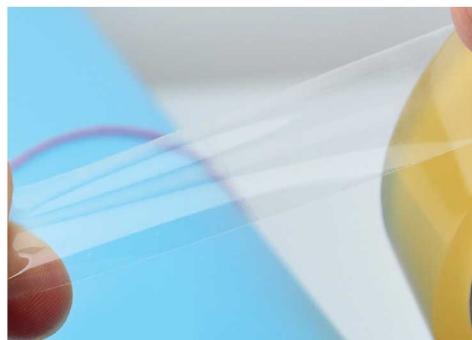


STATIONERY TAPE

Suitable for attaching, mending, sealing, bundling, protecting, repairing, gift wrapping, card making, memo attachment and securing light weight items

- Highly conformable on most surfaces
- Can be torn by hand easily without using scissors
- Appears invisible and clear on faxes, scanners and copiers
- Easy to manipulate and excellent operation with dispenser

Technical Data	Product	Total Thickness	Peel Adhesion		Tensile Strength		Elongation % at break
		(um)	(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	ASTM D-3759
	ST38	38	4 ↑	14	60-100	17	100%
	ST40	40	4 ↑	14	60-100	17	100%
	ST42	42	4 ↑	14	60-100	17	100%
	ST45	45	4.5 ↑	16	70-110	19	100%
	ST50	50	5 ↑	18	70-110	19	100%
	ST65	65	6 ↑	22	80-120	22	100%
	ST70	70	6 ↑	22	80-120	22	100%



CELLULOSE TAPE

Suitable for attaching, mending, sealing, bundling, protecting, repairing, gift wrapping, card making, memo attachment and securing light weight items

- Highly conformable on most surfaces
- Eco-friendly since it is biodegradable
- Easy to manipulate and excellent operation with packaging machines
- Antistatic, good elimination of electrostatic due to uniform hydrophilic and hydrophobic properties, often used in the electronics industry since it is static-free

Technical Data	Product	Total Thickness	Tensile Strength	Adhesion to Steel	Temperature Resistance	Elongation % at break
		(mm)	ASTM D-3759 (lb/in)	(oz/in)	(°C)	ASTM D-3759
	CT05	0.5	25	40	80	20

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ALUMINIUM FOIL TAPE



ALUMINIUM FOIL TAPE

Designed for general purpose seaming, patching, insulating, repairing and sealing to enhance appearance and maintain vapor barrier integrity. For use in industrial, appliance, marine, aerospace industries & etc

- Superior stability during extreme fluctuations in temperature
- Resistant to chemicals, water vapor, odor and smoke transmission
- Flame, weathering and UV retardant and high shear adhesion
- Dead soft aluminum foil backing conforms to curved and uneven surfaces

Product	Adhesive	Carrier Thickness	Peel Adhesion		Tensile Strength	
		(um)	(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)
AFT115	Synthetic Rubber	15	12↑	43	22↑	5
AFT118		18	12↑	43	26↑	6
AFT120		20	15↑	54	29↑	6.5
AFT125		25	18↑	65	33↑	7
AFT130		30	18↑	65	39↑	8.5
AFT140		40	20↑	72	52↑	11.5
AFT150		50	22↑	79	59↑	13
AFT225	Acrylic Emulsion	25	18↑	65	33↑	7
AFT230		30	18↑	30	39↑	8.5
AFT240		40	20↑	72	52↑	11.5
AFT330	Acrylic Solvent	30	18↑	65	39↑	8.5
AFT330		40	20↑	72	52↑	11.5



REINFORCED ALUMINIUM FOIL TAPE

Engineered to seam/seal and insulation to enhance appearance and maintain vapour barrier integrity. It utilized in heating, ventilation and air conditioning. Mainly use in industrial, appliance, marine, aerospace industries & etc

- Resistant to mold and mildew, water vapour, odour and smoke transmission
- Resistant to chemicals to protect surfaces during de-paint process and other masking operations
- Superior stability during extreme fluctuations in temperature
- Flame, weathering and UV retardant and high shear adhesion

Product	Adhesive	Carrier Thickness	Peel Adhesion		Tensile Strength	
		(um)	(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)
AFTR119	Acrylic Solvent	60	20↑	72	78↑	17



ALUGLASS TAPE

Sealing, insulating, repairing & masking, main raw material for refrigerator factory, mobile phones, computers magnetic shielding place & construction industry

- Superior stability during extreme fluctuations in temperature
- Resists water vapour, odour and smoke transmission
- Flame, weathering and UV retardant and high shear adhesion
- Resistant to chemicals to protect surfaces during de-paint process and other chemical masking operations
- Highly engineered acrylic adhesive provides long term durability, but removes cleanly after harsh masking applications
- Heat and light reflective tape protects surfaces and enhances lighting efficiency

Product	Adhesive	Carrier Thickness	Peel Adhesion		Tensile Strength	
		(um)	(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)
AT614	Acrylic Solvent	60	14↑	50	200↑	45

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FILAMENT TAPE



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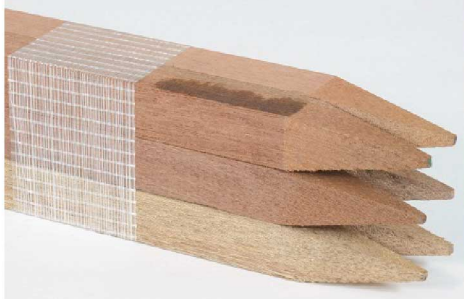
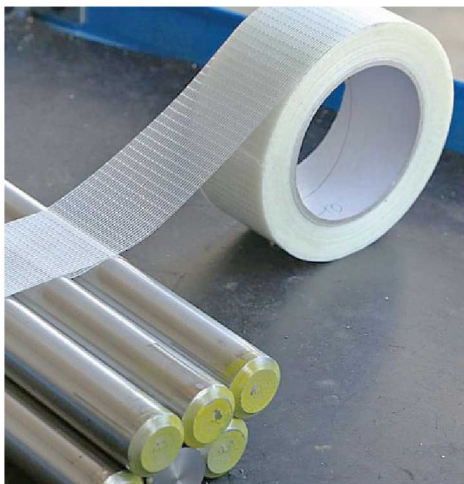
FILAMENT TAPE - SINGLE LINE

Mainly used for heavy-duty bundling, packaging, palletizing and unitizing cartons. Ideally suited as a sealing and reinforcing material for long term transportation or shipping

- High tensile strength ideal for strapping, bundling and reinforcing
- Moisture resistance, superior resistance against mildew and mold
- Provides excellent adhesion to corrugated cartons
- Excellent bonding performance due to well-known rubber adhesive of high flexibility
- High shear & excellent initial adhesion
- Hold instantly with minimum rubdown
- Nicks, abrasions and scuffing resistant
- Adhesive offers excellent balance of initial adhesion and long-term holding power
- Weather resistant
- Excellent performance in the roughest shipping and handling conditions



Technical Data	Product	Woven	Total Thickness		Initial Tack (#)	Peel Adhesion		Tensile Strength		Elongation % at break
			(um)	(mil)		ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	(N/in)	
	FTSL12	Mono	120	4.7	5	8	29	450	100	12%
	FTSL15	Mono	150	5.9	5	10	36	680	150	12%
	FTSL14	Mono	140	5.5	18	6	22	400	100	12%



FILAMENT TAPE - CROSSED LINE

Great for heavy-duty splicing, packing, bundling, reinforcing and palletizing. Ideal for heavy-weight packages overseas/ export packing and shipping

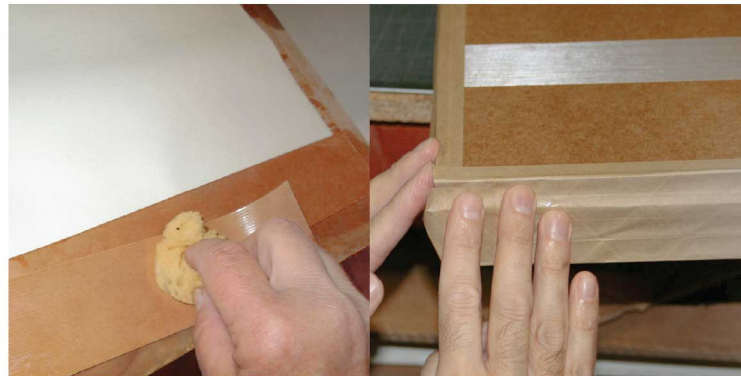
- High shear, high tack adhesive for strong holding power
- Provides cut and tear resistance in machine direction and cross direction
- Able to withstand roughest shipping and handling conditions

Technical Data	Product	Woven	Total Thickness		Initial Tack (#)	Peel Adhesion		Tensile Strength		Elongation % at break
			(um)	(mil)		ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)	(N/in)	
	FTCW12	Cross Weave	120	4.7	8	6	22	600	134	12%
	FTCW14	Cross Weave	140	5.5	10	18	65	800	180	12%
	FTCW17	Cross Weave	170	6.7	12	20	72	1000	220	12%

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KRAFT PAPER TAPE



GUMMED TAPE

For sealing light to medium-weight cartons and general bundling purposes and also ideally as a material in science laboratory or research laboratory for labelling of apparatus

- Water activated, excellent adhesion and good conformable after moistened with water
- Creates a fast, permanent bond and aggressively bonds to corrugated cartons, even in dusty or dirty environments
- Tamper-proof and difficult removal of carrier from application surfaces
- Superior bonding strength maintenance over variations in climate temperature
- Recyclable, biodegradable and accord with environmental protection requirements
- Anti-abrasion
- Used to cover old labels and markings to minimize confusing shipping companies
- Works well on recycled cartons, and non-unitized loads

Technical Data	Product	Total Thickness		Peel Adhesion		Tensile Strength	
		(um)	(mil)	(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)
	GTWA13	130	5.1	6.8	24	135	30
	RKPT13	130	5.1	6.8	24	-	-

KRAFT PAPER TAPE

Widely used in industry for carton sealing, bundling, package beautifying and package identifying

- Easy to start up and unwind
- Hand tearable
- Resistant to abrasion, water, solvents and oil
- Long shelf life and unlimited usage for application with low temperature
- Good adhesion, high tack adhesive with excellent holding power performance
- It is great for covering up writing on previously used boxes. It is easy to write on and holds very well
- Holds safely at ambient and elevated temperatures
- Resistant to moisture and humidity, which prevents the tape from lifting, puckering and curling
- Strong, flexible and conformable kraft backing that blends well with kraft cartons
- Recyclable, biodegradable and accord with environmental protection requirements



Technical Data	Product	Adhesive	Total Thickness		Initial Tack	Holding Power	Peel Adhesion		Tensile Strength	
			(um)	(mil)			(N/in)	ASTM D-3330 (oz/in)	(N/in)	ASTM D-3759 (lb/in)
	KPT120	Synthetic Rubber	120	4.7	3↑	-	8↑	29	90↑	20
	KPT135	Synthetic Rubber	135	5.3	3↑	-	10↑	36	95↑	21
	KPT130	Natural Rubber	130	5.1	-	2	10↑	36	90↑	20
	KPT145	Natural Rubber	145	5.7	-	2	10↑	36	95↑	21



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WARNING TAPE



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WARNING TAPE



ANTI-SLIP TAPE

Commonly used for carton sealing with logo printed, industrial packaging and product bundling such as vegetables & fruits, medical product, furniture, scientific apparatus, electronic products

- Leaves no residues after peeling off
- Withstands temperatures up to 221 F
- Fixes wet, smooth, greasy and oily floors
- Easy to cut to fit to meet all needs of stair or floor dimensions
- Water, chemical and oil resistant for use in both indoor & outdoor applications
- Provides a durable and reliable non-slip surface to create a safer environment
- Withstands heavy foot traffic under all weather conditions
- Form a strong, water-proof bond to most any clean, dry surface and is also temporarily repositionable during the application process



Technical Data	Product	Thickness Of Backing	Total Thickness		Temperature Resistance		Tensile Strength	Holding Power
		(um)	(um)	(mil)	(°C)	(°F)	(N/in)	12 hours
	AST320	100	700	27.6	105	221	13	5N



CAUTION FILM/HAZARD TAPE /BARRICADE TAPE (WITHOUT GLUE)

Identify and warn of restricted entry to prohibited areas such as dangerous construction work-in-progress, crime and fire scenes, obstacles, hazards that creates a safety risk. great for temporary crowd control, directing foot and vehicle traffic

- Tear resistant and reusable
- High strength and good flexibility
- Use indoor and outdoor due to excellent adaption over severe temperature changes
- Outstanding colours put up an instant warning parameter to mark dangerous area
- Resistant to moisture and humidity and resists sagging for long-term use, even when stretched over long distances



Technical Data	Product	Backing	Total Thickness		Tensile Strength	Elongation % at break	Flame Retardancy
			(um)	(mil)	(N/in)		
	CFPE101	PE	30	1.2	10	200%	X
	CFPE103	PE	40	1.6	15	240%	X
	CFPE104	PE	50	2.0	15	240%	X



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KAPTON TAPE



KAPTON TAPE

Widely used for soldering masking protection under high temperature, high-class electricals, engine sealing, circuit board insulation, motor insulation, Li batteries fixation & etc. Usually applied on automotive, industrial and aerospace.

- High insulation, high temperature resistance, acid and alkali-resistance, low electrolysis, mechanically sound, crocking resistance, tear-resistance
- High viscosity due to superior bonding strength of silicone adhesive
- Great durability for multiple print cycles without needing to change the tape
- Good golden glossy surface finish and possess characteristics of greatly smooth
- Elastomeric technology of silicone adhesive offer exceptional strength and good flexibility
- Low electrostatic, excellent removal properties without leaving gunky residue and damages
- Thin and conformable enabling masking of uneven surfaces
- Ideal for protecting sensitive printed circuit board (PCB) components

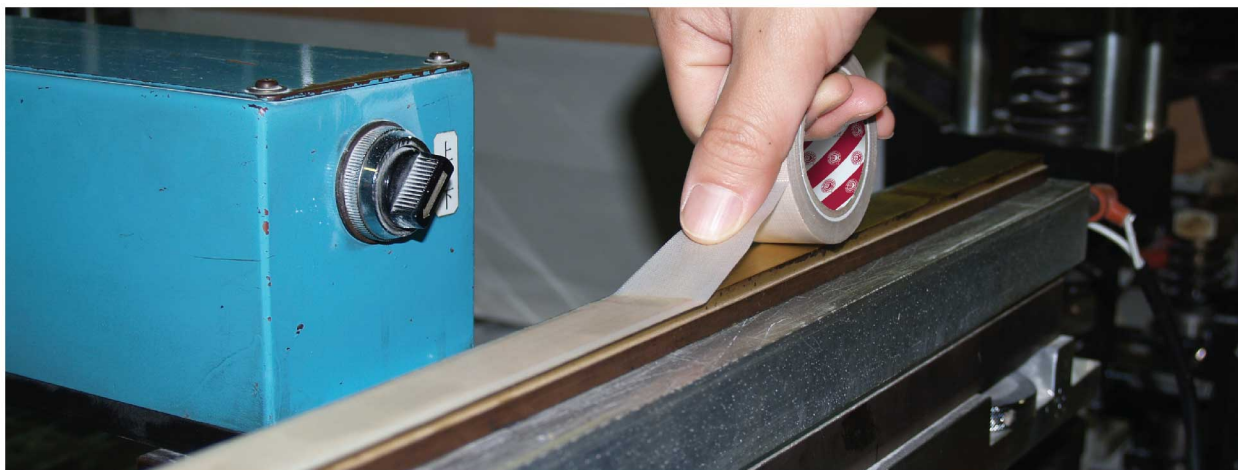
Technical Data	Product	Base Film Thickness (µm) ASTM D 3652	Total Thickness (µm) ASTM D 3652	Peel Strength (g/in) ASTM D 3330	Elongation at break % ASTM D 3759	Tensile Strength (kg/in) ASTM D 3759	Temperature Resistance
	KP50	25	50	650	60	12	240°C x 10min (removes cleanly)



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TEFLON TAPE



TEFLON TAPE

Used for industrial purposes such as pharmaceutical manufacturing and semiconductor making, heat moulding, heat sealing machines, high temperature bundling, ironing and pressing equipment, lining of guide rails, chutes and slides, blister formation and form-fill-seal equipment

- Excellent insulator, ultraviolet-proof, anti-static
- High temperature resistance and provide high satisfactory rate of heat transfer
- Superior heat & cold, chemical resistance and non toxicity
- High dielectric strength
- Smooth surface, not adhesive to any substance such as oil stain, smudge, low permeability to liquids, gases, moisture and organic vapours
- Excellent physical and chemical properties and removes cleanly without leaving adhesive residue
- Extremely durable as well as excellent abrasion resistance
- Balance formulated adhesive allow for well performance on regular applications
- PTFE carrier which enhanced by fibreglass fabric improve the tensile strength of tape

Technical Data	Product	Thickness (mm)	Standard Width (mm)	Temperature °C	Adhesion to Steel (N/100mm)	Tensile Strength (N/100mm)
	TL8H	0.08	1000	-70-260	22	900
	TL13H	0.13	1000	-70-260	28	1700
	TL18H	0.18	1000	-70-260	48	2750
	TL25H	0.25	1000	-70-260	62	3650

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DOUBLE SIDED TISSUE TAPE

DOUBLE SIDED TISSUE TAPE

Mounting of lightweight products, splicing of paper & joining of 2 lightweight surfaces such as sealing documents and interior decoration, hand-made product and souvenir purposes

- High adhesion strength for immediate joining of two surfaces (Quick stick properties)
- Nonwoven carrier enables excellent conformability.
- Hand tearable. Well performance double-sided adhesive for photos, documents, wallpaper, scrapbooking, crafts, ribbon, glitter, origami, cards and boxes



Product	Adhesive	Tissue+Adhesive Thickness		Initial Tack (#)	Peel Adhesion		Holding Power GB/4851-1998 1kg
		(um)	(mil)		(N/in)	ASTM D-3330 (oz/in)	
DSTT01	Synthetic Rubber	60	2.4	8↑	12↑	43	-
DSTT02		70	2.8	10↑	13↑	47	-
DSTT03		80	3.2	10↑	15↑	54	-
DSTT04		90	3.5	10↑	15↑	54	-
DSTT05		100	3.9	12↑	17↑	61	-
DSTT11	Solvent Acrylic	90	3.5	12↑	10↑	54	≥ 24h
DSTT12		100	3.9	14↑	12↑	54	≥ 24h
DSTT13		110	4.3	14↑	14↑	58	≥ 48h
DSTT21	Acrylic Emulsion	80	3.2	5↑	13↑	22	≥ 24h
DSTT22		80	3.5	5↑	15↑	29	≥ 24h
DSTT23		105	4.1	5↑	16↑	18	≥ 48h



DOUBLE SIDED CARPET TAPE



DOUBLE SIDED CARPET TAPE

Suitable for carpet fixing of outdoor advertising, exhibition, mold, printing, hotel, meeting room, carpet industry decoration suture, splicing, sealing, bonding carpet, wall decoration, fixing coil & etc

- Good peeling force ease the removal process without leaving residue
- Good temperature resistance
- Excellent flexibility as well as high tensile strength provide Quick sticking properties
- Easy to install and tear
- Provides excellent adhesion to both smooth & rough, textured surfaces
- High tackiness as well as strong bonding force due to intermolecular van der Waals force
- Unique construction of tape adhesion enable excellent stability on regular applications



Product	Backing	Total Thickness		Initial Tack (#)	Peel Adhesion	
		(um)	(mil)		(N/in)	ASTM D-3330 (oz/in)
DSCT01	Cloth	220	8.7	10↑	12↑	43
DSCT02	Cloth	280	11.0	10↑	15↑	54
DSCT03	Cloth	380	15.0	12↑	17↑	61
DSPPT01	Opp	160	6.3	8↑	10↑	36

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DOUBLE SIDED FOAM TAPE

DOUBLE SIDED EVA FOAM TAPE

Mounting of lightweight poster, name plate, automobile industry such as door sealing, mounting strip, pedal ,metal board & etc

- High density and flexibility. Ideal for rough and uneven surfaces
- Provides cushioning, excellent performance for vibration and anti-crack
- Tape secures mouldings, trim, and emblems to the vehicle body with no mess
- Outstanding weather resistance properties allow for both indoor and outdoor usages

Technical Data	Product	Adhesive	Total Thickness		Initial Tack (#)	Peel Adhesion	
			(mm)	(mil)		(N/in)	ASTM D-3330 (oz/in)
	DSEFT01	Synthetic Rubber	1.25	49	10 ↑	18 ↑	65
	DSEFT02	Solvent Acrylic	1.25	49	10 ↑	12 ↑	65



DOUBLE SIDED PE FOAM TAPE

Mounting of lightweight materials, bonding, vibration dampening, splicing, laminating, permanent fastener, sealing. mostly used in automobile industry such as door sealing, mounting strip, pedal metal board & etc

- Unique rubber adhesive system provides quick stick
- Good adhesion, good tensile strength, permanent bond, highly conformable, moisture resistance
- Provides cushioning designed for irregular surface
- Ideally for low surface energy and excellent in sound weakening as well as vibration dampening

Technical Data	Product	Adhesive	Total Thickness		Initial Tack (#)	Peel Adhesion	
			(mm)	(mil)		(N/in)	ASTM D-3330 (oz/in)
	DSPEFT01	Synthetic Rubber	1.25	49	10 ↑	18 ↑	65
	DSPEFT02	Solvent Acrylic	1.25	49	10 ↑	12 ↑	43



DOUBLE SIDED ACRYLIC TAPE

DOUBLE SIDED ACRYLIC TAPE

Typically used for mounting of sign and display, mounting of badge and fixing of vehicle panel. Widely applied on metal, glass, plastic, composite, sealed wood, paint, attachment of automotive exterior parts, and powder coating

- Provides cushioning, highly conformable and able to stick on irregular and mismatched substrates
- Excellent capability in shock absorption and play an excellent role in vibration weakening
- Excellent high temperature resistant, climate resistant, oil resistant and waterproof
- Long-term durability, virtually invisible fastening keeps surfaces smooth

Technical Data	Product	Backing	Adhesive	Total Thickness		Peel Adhesion	
				(um)	(mil)	(N/in)	ASTM D-3330 (oz/in)
	DSAFT5	VHB white	Acrylate	1	2.4	12 ↑	43
	DSAFT2	VHB white	Acrylate	50	2.8	13 ↑	47
	DSAFT3	VHB white	Acrylate	80	3.2	15 ↑	54
	DSAFT4	VHB white	Acrylate	150	3.5	15 ↑	54
	DSAFT1	VHB white	Acrylate	200	3.9	17 ↑	61
	DSAFT6	VHB grey	Acrylate	800	3.5	10 ↑	54



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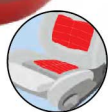
DOUBLE SIDED HIGH BONDING POWER ACRYLIC TAPE

Widely used in bonding, sealing, fixing and waterproofing in automobile industry, solar photovoltaic industry, elevator industry, electronics industry and construction industry

- Can effectively reduce weight, replace screws, rivets, welding for fixing and sealing
- Super viscous, can be used for slippery plastic surface, smooth mirror-like metal, glass surface, and uneven walls
- With excellent caulking effect, can be free from moisture, dust and chemicals
- Durability, excellent weather resistance, shock resistance, anti-aging, noise reduction
- Anti-UV, anti-solvent, can be used in ultra-high temperature, ultra-low temperature environment, non-adhesive tape other than PE/PU/EVA Base Material



① Middle Net



② Seats



③ Sunroof



④ B-pillar



⑤ Welcome bar



⑥ Antenna



⑦ Tail win



⑧ Rearview mirror



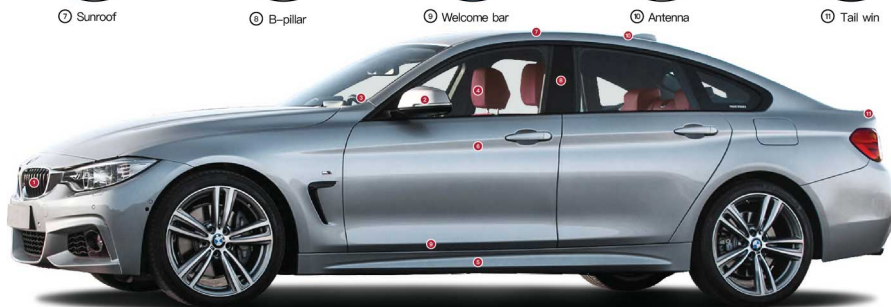
⑨ Rubbing strip



⑩ Steering wheel



⑪ Door pane



Model	Structure [from top to bottom]	Thickness [mm]	Adhesive	180°Peeling force [N/inch]	Temperature resistance[°C]	Retentivity [N/kg/in ²]
3025CP	Transparent acrylic Adhesive —White Release paper	0.25	Acrylic pressure sensitive Adhesive	20	-20~160	≥24
3050C	Transparent acrylic Adhesive —Red Release film	0.50	Acrylic pressure sensitive Adhesive	20	-20~160	≥24
5025GP	Grey Acrylic Adhesive —White Release paper	0.25	Acrylic pressure sensitive Adhesive	18	-20~160	≥24
5040G	Grey Acrylic Adhesive —Red Release film	0.40	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
5080GY	Grey Acrylic Adhesive — Printing GTG HBP	0.80	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
5120G	Grey Acrylic Adhesive —Red Release film	1.20	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
5200G	Grey Acrylic Adhesive —Red Release film	2.00	Acrylic pressure sensitive Adhesive	22	-20~160	≥24
I6025WP	White Acrylic Adhesive —White Release film	0.25	Acrylic pressure sensitive Adhesive	18	-20~160	≥24
6040W	White Acrylic Adhesive —Red Release film	0.40	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
6064W	White Acrylic Adhesive —Red Release film	0.64	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
6080W	White Acrylic Adhesive —Red Release film	0.80	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
6120W	White Acrylic Adhesive —Red Release film	1.20	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
6150W	White Acrylic Adhesive —Red Release film	1.50	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
311A	Black Acrylic Adhesive —White Release paper	0.20	Acrylic pressure sensitive Adhesive	20	-20~160	≥24
312	Black Acrylic Adhesive —White Release paper	0.25	Acrylic pressure sensitive Adhesive	23	-20~160	≥24
313	Black Acrylic Adhesive —White Release paper	0.30	Acrylic pressure sensitive Adhesive	25	-20~160	≥24
VX9110W	Acrylic pressure sensitive Adhesive—White Acrylic Base Material Adhesive —Acrylic pressure sensitive Adhesive—White Release paper	1.10	Acrylic pressure sensitive Adhesive	40	-20~160	≥24
VD571	Acrylic pressure sensitive Adhesive—White Acrylic Adhesive —Acrylic pressure sensitive Adhesive—White Release paper	0.25	Acrylic pressure sensitive Adhesive	18	-20~160	≥24
VD572	Acrylic pressure sensitive Adhesive—White Acrylic Adhesive —Acrylic pressure sensitive Adhesive—White Release paper	0.40	Acrylic pressure sensitive Adhesive	18	-20~160	≥24
FLA5064GB	Acrylic pressure sensitive Adhesive—Black Acrylic Adhesive —Acrylic pressure sensitive Adhesive—Red Release film	0.64	Acrylic pressure sensitive Adhesive	27	-20~160	≥24
VX9110B	Acrylic pressure sensitive Adhesive—Black Acrylic Adhesive —Acrylic pressure sensitive Adhesive— Printing GTG HBP	1.10	Acrylic pressure sensitive Adhesive	30	-20~160	≥24
VX1003	Acrylic pressure sensitive Adhesive—Grey Acrylic Adhesive —Acrylic pressure sensitive Adhesive—Red Release film	0.80	Acrylic pressure sensitive Adhesive	35	-20~160	≥24

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VINI-TAPE® Denka


**AUTHORIZED
DISTRIBUTOR**

PVC ELECTRICAL TAPES FOR WIRE INSULATION



Terminal processing of power-cables, wiring and insulation of electrical joints. Protection, binding and identification of cables and pipes. Protection, repairs and binding for homes, construction, tying works and other uses. Bundling and repairing automotive wire harnesses.

- Good quality electrical tape and excellent resistance to corrosion. Elastic tape backing and high quality design of the adhesive shall be applied to not only conform and produce uniform covering in long term, but also prevent from flagging.
- Not deformed in high temperatures and holds its shape. Good stock rotation is recommended.
- Easy cut quality by a special treatment on the side of the tape.



Specification

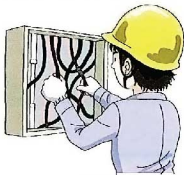
Product	Total Thickness	Width	Length	Packing
	(mm)			
#101	0.2	19	10 Yards	500
			10 Meters	500
#102	0.15	19	10 Yards	500
#103	0.13	19	10 Yards	500

Physical Properties

Product	Adhesive Strength (N/10mm)		Tensile Strength	Elongation	Volume Resistivity	Elongation % at break
	Adhesion Test Panel	Adhesion Backing	N/10mm	%	MΩ•cm	500V x 1minute
#101	1.68	2.19	36.4	191	6.99×10^8	Good
#102	1.55	2.05	27.3	188	2.90×10^8	Good
#103	1.24	1.89	23.3	180	2.05×10^8	Good

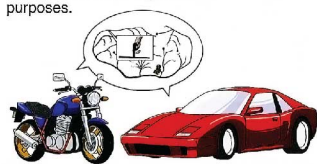
① Electrical insulation and terminal processing

Applications include electrical insulation, binding, and identification of wires and cables.



② Repairs of Used Cars and Other Vehicles

Used in binding wire harnesses in automobiles and motorbike for repair purposes.



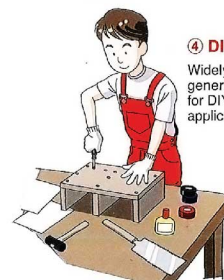
③ Hardware

Used by hardware users for electrical insulation and binding applications.



④ DIY

Widely used as a general-purpose for DIY and other applications.



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LLDPE STRETCH FILM



LLDPE STRETCH FILM - TRANSPARENT

Unitise pallet loads boxes or bundling small items for efficient handling & storage to ensure safe & secure delivery of packages

- Strong, high puncture & tear resistance
- Superior clarity & low noise during unwind
- Provides protection from dust, dirt, moisture or oil
- Excellent load retaining capability
- Requires no additional adhesives. It is self-adhesive

Technical Data	Thickness (um)	20-22
	Tensile Strength Lengthway (%)	≥350
	Tensile Strength Crossway (%)	≥600
	Adhesion After 100% Extension	≥2

*The above spec is subjected to min tolerance of ± 10%

JUMBO ROLL STRETCH FILM

Unitise pallet loads boxes or bundling small items for efficient handling & storage to ensure safe & secure delivery of packages

- Strong, high puncture & tear resistance
- Superior clarity & low noise during unwind
- Provides protection from dust, dirt, moisture or oil
- Excellent load retaining capability
- Requires no additional adhesives. It is self-adhesive

Technical Data	Thickness (um)	20-22
	Tensile Strength Lengthway (%)	≥350
	Tensile Strength Crossway (%)	≥600
	Adhesion After 100% Extension	≥2

*The above spec is subjected to min tolerance of ± 10%

LLDPE STRETCH FILM - COLOURED

Unitise pallet loads boxes or bundling small items for efficient handling & storage to ensure safe & secure delivery of packages

- Strong, high puncture & tear resistance
- Superior clarity & low noise during unwind
- Provides protection from dust, dirt, moisture or oil
- Requires no additional adhesives. It is self-adhesive
- Coloured/printed stretch film are available upon request



Technical Data	Thickness (um)	20-22
	Tensile Strength Lengthway (%)	≥350
	Tensile Strength Crossway (%)	≥600
	Adhesion After 100% Extension	≥2

*The above spec is subjected to min tolerance of ± 10%

LLDPE STRETCH FILM - BABY ROLL

Ideal for wrapping small and awkward items, bundling items or shipping boxes, protecting goods from dust, stains, scratches, scuffs and damage

- High puncture & tear resistance
- Superior clarity & low noise during unwind
- Provides protection from dust, dirt, moisture or oil
- Requires no additional adhesives. It is self-adhesive
- An economic alternative to strapping, tape, twine and wire

Technical Data	Thickness (um)	20-22
	Tensile Strength Lengthway (%)	≥350
	Tensile Strength Crossway (%)	≥600
	Adhesion After 100% Extension	≥2

*The above spec is subjected to min tolerance of ± 10%



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AIR BUBBLE FILM

AIR BUBBLE FILM

Mainly used for the packaging of fragile goods to prevent damage of the loaded article due to pressure, collision or falling

- Lightweight for low cost protection for all items and packing
- Waterproof, moisture-proof
- Good cushioning, scratch and puncture resistance
- Small blister/bubble enables protection to be given to the most intricate items and also helps to keep them clean and dry
- Thousands of tiny air filled bubbles effectively protect the contents of your package against knocks and shocks



SINGLE FACER

SINGLE FACER

Used in lining containers and trucks, interleaving products, lining rail cars, protecting products from dust, nails and splinters, covering the bottom of pallets, protect picture frames, wrapping cabinets, wrapping extruded aluminium, perfume boxes, picture frames and matting boards. It can be used for protecting small, large or irregular shaped products.

- Lightweight and economical
- Highly flexible and can be shaped around products to cushion and protect them from damage
- Corrugated flutes on one side provide shock & impact absorbing cushioning
- Easier to wrap and good crush resistance
- Uniform thickness great for industrial padding and packing
- 100% recycled, eco-friendly & biodegradable
- Low thermal conductivity and superior heat insulation
- Corrugated wrap resist compressions to protects fragile products



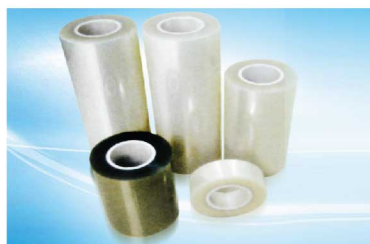
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PET PROTECTIVE FILM

PET PROTECTIVE FILM FOR ELECTRONIC DEVICES

Protection for ITO sensor shipment, smart phones, tablets PCs & flat panel display



PU Glue PET Protective Film

- Good adsorption & adhesion
- Easy to peel off without residue left
- Acid & alkaline resistance
- Weather resistance
- High grade of transparency
- Protection for ITO sensor shipment, smart phones, tablets PCs & flat panel display



Silicone Glue PET Protective Film

- Low adhesive
- Easy to paste & peel
- Good performance of repaste
- Weather resistance
- High strength
- High temperature resistance
- Protection for ITO sensor shipment, smart phones, tablets PCs & flat panel display, optical PMMA, PC/PET panel, polaroid, diffuser, brightening sheet used for LCD and other kinds of optical films, high-glass ABS/PC plastic parts, die cut and stamping process of foam, OCA & copper foil, FPC support & etc



Acrylic Glue PET Protective Film

- Good adsorption & adhesion
- Easy to peel off without residue left
- Good performance of repaste
- Weather resistance
- High strength
- Thermostability
- Protection for ITO glass/film while processing, optical PMMA, PC/PET panel, polaroid, diffuser, brightening sheet used for LCD and other kinds of optical films, high-glass ABS/PC plastic parts, die cut and stamping process of foam, OCA & copper foil, FPC support & etc



PET Protective Film Type		PU Glue	Silicone Glue	Acrylic Glue
Technical Data	Thickness for Base Materials	um	25-125	
	Thickness for Release Film	um	25-100	
	Thickness for Adhesive	um	5-25	
	Peeling Force	g/mm	2-1000	1-20
	Anti Static	Base Materials ✓, Adhesive ✓		
	Special Function	Hard Cover, Anti Fingerprint, Printable		

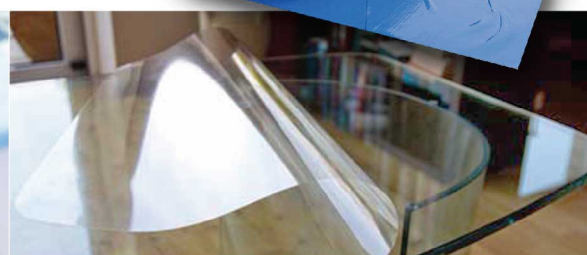
PE PROTECTIVE FILM

PE PROTECTIVE FILM FOR GLASS PANEL

Provide surface protection for glass, mirrors and other glass products

- Flexible and soft
- Easy to peel off without residue left
- Highly conformable on most surfaces
- Anti-corrosion
- Moisture-proof
- Excellent insulation

Base Film Thickness (μm)	Adhesive Thickness (μm)	Peel Strength 180 °C (g/cm)	Horizontal Elongation at Break (%)	Vertical Elongation at Break (%)	Heat Resistance (°C)
30-200	5-30	60-400	150-300	150-200	60



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PE PROTECTIVE FILM FOR INJECTION MOULDING PARTS

Provide surface protection for injection moulding parts & some other surfaces such as LCD plate, PET mirror & etc. LCD light guide plate production, diffusion film die cutting and shaping process, PC, PMMA, PET mirror surface, specula injection moulding parts surface, goods delivery process & etc

- Good lamination performance
- Acid & alkaline resistance
- Low viscosity
- Weather resistance
- Smooth surface
- Water resistance

Technical Data	PE Protective Film Type		Non-Embossed Clean Film (I)	Non-Embossed Clean Film (II)	Embossed Clean Film
	Thickness for Base Materials	um	40-200	45-100	4-90
	Thickness for Adhesive	um	1-25	1-5	1-3
	Peeling Force	g/mm	8-700	3-700	8-20
	Anti Static		Base Materials Adhesive ✓	Base Materials Adhesive ✗	Base Materials Adhesive ✗



PE PROTECTIVE FILM FOR AUTOMOTIVE

Provide surface protection for car surface, bumpers, dashboards and automotive plastic parts

- Highly conformable on most surfaces
- Easy to peel off without residue left
- Anti-corrosion
- Weather resistance
- Moisture-proof

Technical Data	Base Film Thickness (µm)	50-200
	Adhesive Thickness (µm)	5-30
	Peel Strength 180° C (g/cm)	80-400
	Horizontal Elongation at Break (%)	400-700
	Vertical Elongation at Break (%)	200-300
	Heat Resistance (°C)	60



PE PROTECTIVE FILM FOR CARPET

Provide surface protection for carpet and decorative surface in fibre texture

- Highly conformable on most surfaces
- Easy to peel off without residue left
- Anti-corrosion
- Weather resistance

Technical Data	Base Film Thickness (µm)	50-200
	Adhesive Thickness (µm)	5-30
	Peel Strength 180° C (g/cm)	80-400
	Horizontal Elongation at Break (%)	400-700
	Vertical Elongation at Break (%)	200-300
	Heat Resistance (°C)	60



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PE PROTECTIVE FILM

PE PROTECTIVE FILM FOR STAINLESS STEEL

Provide surface protection for stainless steel sheet, aluminium alloy sheet and other metal sheet during deep drawing process

- Easy to stick & easy to peel off without residue left
- Not easy unglued under the deep draw process within 18cm
- Anti-corrosion

Technical Data	Base Film Thickness (µm)	Adhesive Thickness (µm)	Peel Strength 180 °C (g/cm)	Horizontal Elongation at Break (%)	Vertical Elongation at Break (%)	Heat Resistance (°C)
	30-200	2-20	100-250	600-800	250-450	60



PE PROTECTIVE FILM FOR ALUMINIUM PROFILE

Provide surface protection for different kinds of aluminium alloy profiles such as aluminium alloy coated profiles, oxide coloured profiles, oxide polished profiles, plastic profiles, steel door and window profiles to avoid damage during transportation, storage, processing and installation.

- Flexible and soft
- Easy to peel off without residue left
- Highly conformable on most surfaces
- Moisture-proof
- Excellent insulation
- Anti-corrosion

Technical Data	Base Film Thickness (µm)	Adhesive Thickness (µm)	Peel Strength 180 °C (g/cm)	Horizontal Elongation at Break (%)	Vertical Elongation at Break (%)	Heat Resistance (°C)
	50-200	5-30	50-250	300-600	200-300	60



PE PROTECTIVE FILM FOR CERAMIC

Provide surface protection for ceramic tile and other ceramic products

- Good stability of the pressure sensitive adhesive
- No residue left after removal
- Anti-corrosion
- Flexible & soft

Technical Data	Base Film Thickness (µm)	Adhesive Thickness (µm)	Peel Strength 180 °C (g/cm)	Horizontal Elongation at Break (%)	Vertical Elongation at Break (%)	Heat Resistance (°C)
	30-200	2-20	30-180	300-600	200-300	60



PE PROTECTIVE FILM FOR PVC & PET PLASTIC SHEETS

Provide surface protection for ceramic tile and other ceramic products

- Flexible and soft
- Easy to peel off without residue left
- Good stability of the pressure sensitive adhesive
- Highly conformable on most surface
- Plasticizers resistance

Technical Data	Base Film Thickness (µm)	Adhesive Thickness (µm)	Peel Strength 180 °C (g/cm)	Horizontal Elongation at Break (%)	Vertical Elongation at Break (%)	Heat Resistance (°C)
	30-200	5-20	30-250	300-600	200-300	60



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MASKING PAPER



MASKING PAPER

Provide surface protection for PMMA sheet, ABS Sheet, PVC smooth sheet, glossy and matte polyester furniture board, melamine furniture sheet

General Masking Paper

- Good lamination performance, no upwarp, no falling off
- Provide surface protection for PMMA sheet, ABS sheet, PVC glossy sheet

Polyester Masking Paper

- High tack, good lamination performance, no upwarp, no falling off, excellent anti-aging properties
- Provide surface protection for glossy & matte polyester furniture board, melamine furniture sheet

Waterproof Masking Paper

- Outer layer under special waterproof treatment, moisture proof, anti water pouring, good laminating performance
- Provide surface protection for PMMA sheet, ABS sheet, PVC smooth sheet, glossy & matte polyester furniture board, melamine furniture sheet

Water Sensitive Masking Paper

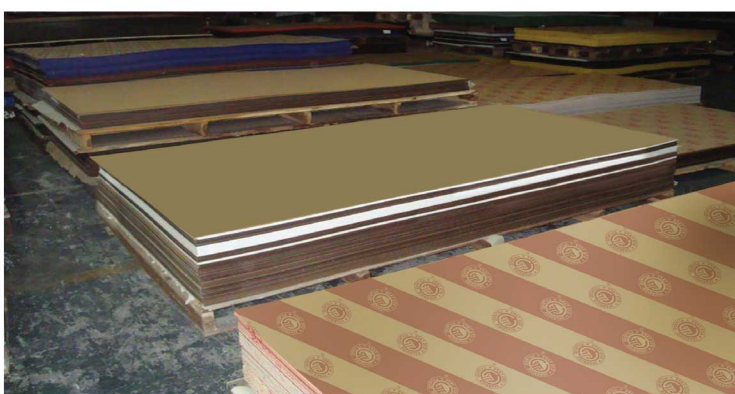
- Dry naturally after applied, adhesive strength will not increase due to long period applied
- Provide surface protection for PMMA sheet, ABS sheet, PVC smooth sheet

Transfer Masking Paper

- Excellent adhesion, excellent anti-aging properties
- Suitable for decals, labels transferring & liner locating



Masking Paper Type	General M.P	Waterproof M.P	Polyester M.P	Water Sensitive M.P	Transfer M.P
Base Paper Weight (g/m ²)	40/45/50	40/45/50	40/45/50	40/45/50	50
Peel Strength 180°C (g/cm)	20-80	20-80	50-150	100-200	100-200
Width Range (mm)	800-2100	800-2100	800-2100	800-2100	500-1220
Length Range (mm)	500-1500	500-1500	500-1000	500-1500	50-100



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PET TAPE

SINGLE SIDED PET TAPE

Can be used for mobile phone frame fixing, flat film switch bonding, automotive industry's ABS plastic parts fixing, rubber EPDM bonding, batteries in electronic equipment and lenses and windows' bonding, signage fixed, LCD reflective film splicing plastic film, low-energy plastic material bonding

- Scratch-proof, waterproof, easy to peel, no residue
- Reworkable, removable, good bonding strength for most materials, good initial viscosity



Product	Structure (from Top to Bottom)	Adhesive	Thickness	180° Peeling Force	Temperature resistance
			(mm)	(N/inch)	(°C)
G452		Acrylic pressure sensitive Adhesive	0.065	>5	-5~160
H448		Acrylic pressure sensitive Adhesive	0.125	>22	-5~160
L1237		Acrylic pressure sensitive Adhesive	0.17	>15	-5~160
6205		Acrylic pressure sensitive Adhesive	0.05	>10	-5~100
6208		Acrylic pressure sensitive Adhesive	0.08	>16	-5~100
6210		Acrylic pressure sensitive Adhesive	0.10	>18	-5~100
JD015B		Acrylic pressure sensitive Adhesive	0.15	>18	-5~100
6208B		Acrylic pressure sensitive Adhesive	0.08	>18	-5~100
8208		Acrylic pressure sensitive Adhesive	0.08	Side A: 6-13 Side B: 15	-5~100
6310K		Acrylic pressure sensitive Adhesive	0.10	Side A: 6-13 Side B: 22	-5~100



DOUBLE SIDED PET TAPE (SOLVENT-FREE)

Can be used for the fixing of battery and window

- With base material, easy to bond & separate, waterproof, strong viscosity, good shockproof
- Permanently fixes electronics components and removes residue-free glue during
- repair or recycling to optimize product reworkability

Product	Structure (from Top to Bottom)	Thickness	180° Peeling Force	Temperature Resistance	Stretch Rate	Retentivity
		(mm)	(N/inch)	(°C)	(%)	(h/1kg/in²)
310		0.10	≥10	-5~90	≥1000	≥24
315		0.15	≥12	-5~90	≥1000	≥24
020		0.20	≥13	-5~90	≥1000	≥24



DOUBLE SIDED PET TAPE

Can be used for the rework for blistering and foreign objects of OCA, residual adhesive removal of OCA optical glue/LOCA residue during production and rework of liquid crystal modules and capacitive screen TP

- High adhesion and extensibility
- No residue, no solvent, low pollution

Product	Structure (from Top to Bottom)	Adhesive	Thickness	180° Peeling Force	Temperature resistance
			(mm)	(N/inch)	(°C)
6015		Acrylic pressure sensitive Adhesive	0.15	13	-5~90
6020		Acrylic pressure sensitive Adhesive	0.20	13	-5~90

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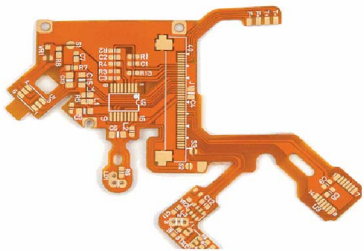
BASE MATERIAL-FREE TAPE

BASE MATERIAL-FREE DOUBLE SIDED ADHESIVE

Can be used for nameplates, stickers, signs, electronic products, film switch, shockproof foam.

- Colorless, transparent pure adhesive tape
- Good initial viscosity and good adhesion
- High cohesion, good plasticization resistance, excellent die-cutting performance
- No residue, no spilled plastic, chemically stable, resistant to organic solvents, disinfectants, oil, weak acid, alkali, salt erosion
- Suitable for a wider temperature range and harsh environment, long-term temperature up to 160°, short term temperature up to 200°

Technical Data	Product	Structure (from Top to Bottom)	Adhesive	Thickness (mm)	180° Peeling Force (N/inch)	Temperature resistance (°C)
	17MP	① Acrylic pressure sensitive Adhesive	Acrylic pressure sensitive Adhesive	0.05	20	-20~120
	18MP	② White paper Release paper / kraft paper Release paper	Acrylic pressure sensitive Adhesive	0.13	25	-20~120
	19MP		Acrylic pressure sensitive Adhesive	0.13	20	-20~120



BASE MATERIAL-FREE / THERMAL TAPE

Can be used for fixing CPU and heat sink, LED board and rack, electronic components

- High thermal conductivity and insulation materials, easy to operate
- Excellent softness, fit, self-adhesion and high compression ratio
- The 3T thermal tape has immediate adhesiveness, insulation, low outgassing, and high thermal conductivity on a fixed heat sink in a lens group or on a flexible board
- Good initial viscosity and good adhesion, energy saving and environmental protection

Technical Data	Code	Product	Total Thickness (mm)	Base Material	180° Peeling Force (N/tech)	Retentivity (Normal Temperature 50g)	Temperature Resistance (°C)	Thermal Conductivity (W/mK)	Flammability Rating (UL-94V)
	3T905HT	White Paper No-base Material Thermal Adhesive	0.13	No-base Material	≥8	≥24	-20~120	≥0.5	V1
	3T908HT		0.19	No-base Material	≥8	≥24	-20~120	≥0.5	V1
	3T910HT		0.25	No-base Material	≥12	≥24	-20~120	≥0.5	V1
	3T915HT		0.38	No-base Material	≥18	≥24	-20~120	≥0.5	V1
	3T920HT		0.50	No-base Material	≥16	≥24	-20~120	≥0.5	V1
	3013	Blue Film Glass Fiber Thermal Adhesive	0.13	Grid fiber cloth	≥16	≥24	-5~80	≥0.3	No
	3002		0.20	Grid fiber cloth	≥16	≥24	-5~80	≥0.3	No
	3025		0.25	Grid fiber cloth	≥16	≥24	-5~80	≥0.3	No
	3030		0.30	Grid fiber cloth	≥16	≥24	-5~80	≥0.3	No
	3050		0.50	Grid fiber cloth	≥16	≥24	-5~80	≥0.3	No
	J1131	White Paper PET Thermal Adhesive	0.15	Transparent PET	≥10	≥24	-20~120	≥0.35	No
	J867		0.25	Transparent PET	≥12	≥24	-20~120	≥0.35	No
	J1117	White Paper PET Flame Retardancy Thermal Adhesive	0.22	Transparent PET	≥16	≥24	-5~80	≥0.35	V0



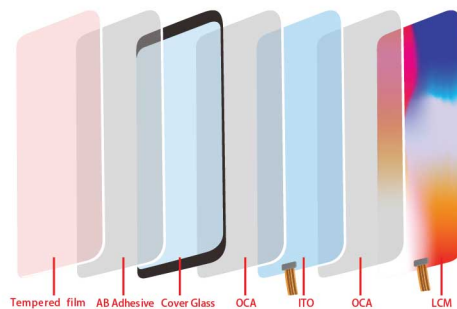
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OCA OPTICAL ADHESIVE

Bringing unparalleled visual experience to users with every innovation

With the development of smart phones and tablet computers, more and more electronics manufacturers have fully rolled out “full fit screens” and adopt full-fit technology screens, which helps to improve color contrast and make the screen display more colorful. The newly developed ST1028 series of full-fit OCA Optical Adhesive tape can effectively fill the air layer between the screen components in the lamination process. This not only makes the gray layer and water vapor inaccessible, but it also helps reduce reflections between the display panel and the glass, allowing the screen to look better and transparent, resulting in a stunning visual experience.

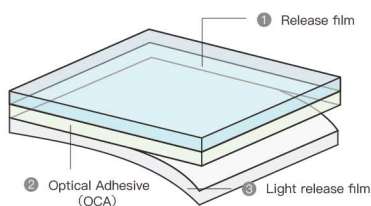


FULL-FIT OCA OPTICAL ADHESIVE

Can be used for mobile phone, tablet, AIO, NB's display product's fit, TP and LCD display fit

- Excellent adhesion and filling properties
- Good defoaming effect, no bubble bounce
- Easy to rework, no damage to polarizers, easy removal of glass cover residue
- Acid-free UV colloid, good stability, no yellowing
- UV-resistant, increased contrast, especially under bright light

Technical Data	Product	Thickness (um)	Peeling Force (g/inch)	Flexibility	Transmittance (%)	Haze (%)	Dielectric Constant (@1MHz)	Yellow Index (b)
	ST1258-6	150	≥2000	1.474	≥90	≤1.0	3~4	0.15-0.25
	ST1258-7	175	≥2000	1.474	≥90	≤1.0	3~4	0.15-0.25
	ST1258-8	200	≥2000	1.474	≥90	≤1.0	3~4	0.15-0.25
	ST1258-10	250	≥2000	1.474	≥90	≤1.0	3~4	0.15-0.25

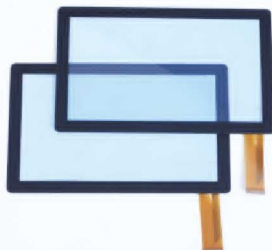
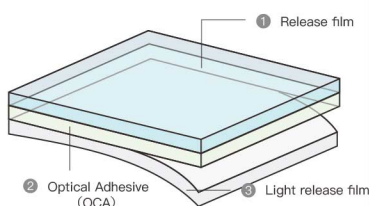


OCA OPTICAL ADHESIVE

Can be used for TP product's fit such as mobile phones, tablet PCs, AIO, NB, ITO film, ITO glass, PMMA, PET, tempered glass and other materials

- Effectively reduce glare, increase LCD brightness, increase transmittance, and reduce energy consumption
- Smooth surface and excellent in warpage resistance. It can deal with full screen solution
- Excellent heat resistance, can inhibit bubble generation after bonding.
- No birefringence, can avoid Newton rings

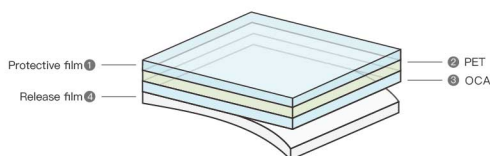
Technical Data	Product	Thickness (um)	Peeling Force (g/inch)	Flexibility	Transmittance (%)	Haze (%)	Dielectric Constant (@1MHz)	Yellow Index (b)
	T928-1/-2/-3/-4 (Soft)	25/50/75/100	≥1600	1.474	≥90	≤1.0	3~4	0.15-0.25
	T928-5/-6/-7/-8 (Soft)	125/150/175/100	≥2000	1.474	≥90	≤1.0	3~4	0.15-0.25
	D996-2/-4/-5 (Neutral)	50/100/125	≥1500	1.474	≥90	≤1.0	3~4	0.15-0.25
	D996-6/-7 (Neutral)	150/175	≥1900	1.474	≥90	≤1.0	3~4	0.15-0.25
	D702-2/-4/-5 (Hard)	50/100/125	≥1600	1.474	≥90	≤1.0	3~4	0.15-0.25
	TD702-6/-7/-10/-14 (Hard)	150/175/200/350	≥1800	1.474	≥90	≤1.0	3~4	0.15-0.25



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ASF EXPLOSION-PROOF FILM



ASF EXPLOSION-PROOF FILM

Can be used for mobile phone, car, tablet and other touch display glass reinforcement, inner and outer explosion protection, prevent glass surface from scattering and break

- Surface hardness: 2H-3H, penetration rate: >88%, haze: <2%, adhesion force: 1500~2500/25mm
- Base material has been hardened to protect surface from scratches
- Good adhesion, waterproof, easy to tear off

Product	Base Material Thickness	Coating Thickness	Thickness	Protection Film Thickness	Release Film Thickness	180° Peeling Force	Pencil Hardness	Transmittance	Haze
	(um)	(um)	(um)	(um)	(um)		(H)	(%)	(%)
AST5025	50	25	75	50	50	≥1500	2-3	≥88	≤2
AST5050	50	50	100	50	50	≥2000	2-3	≥88	≤2
AST7525	75	25	100	50	50	≥1500	2-3	≥88	≤2
AST7550	75	50	125	50	50	≥2000	2-3	≥88	≤2
AST7575	75	75	150	50	50	≥2200	2-3	≥88	≤2
AST10025	100	25	125	50	50	≥1500	2-3	≥88	≤2
AST10050	100	50	150	50	50	≥2000	2-3	≥88	≤2
AAT10050	100	50	150	50	50	≥2000	2-3	≥88	≤5
AST100100	100	100	200	50	50	≥2200	2-3	≥88	≤2

AB ADHESIVE

AB ADHESIVE

Can be used for mobile phones, tablet computers and other touch screen products can be used for glass protection bonding

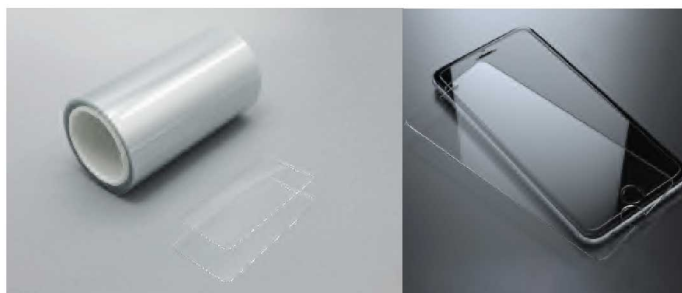
- High light transmittance, excellent re-peelability, reworkable, no residue
- Special silicone can naturally exclude air, good exhaust performance on glass surface
- Significant effect of filling edges
- Produce and process in a thousand-grade purification environment with excellent cleanliness



Product	PET Base Material Thickness	Adhesive coating Thickness		Thickness (Exclude release film)	Maximum Width	180° Peeling Force (g/inch)		Retentivity	Transmittance	Haze
	(um)	Silicon Side	OCA Side	(um)	(mm)	Silicon Side	OCA Side	(h/1kg/in²)	(%)	(%)
B788-6	50	25	75	150	1020	5 or 10	1800	≥24	≥90	≤1
B788-7	50	25	100	175	1020	5 or 10	1800	≥24	≥90	≤1
F1060-10	50	25	175	250	1020	10	1800	≥24	≥90	≤1

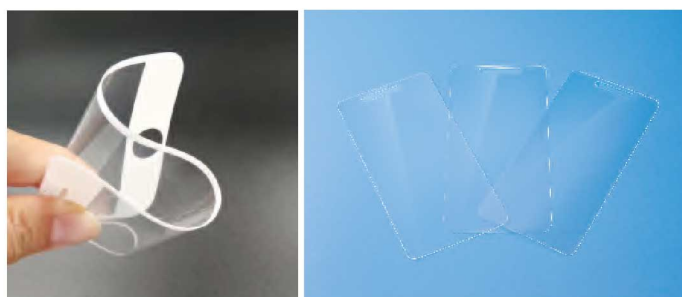
a) Glass Screen protector AB Adhesive Products

- 250um Perfectly matched 3D cold-carved glass, hot bending glass protective film
- 180um Widely used in 2.5D silk screen protection film, transparent protection film
- 130um Widely used in carbon fiber protective sheet, 2D transparent glass protective Explosion-proof film (silk screen) Widely used in 3D hot bending, cold glass protective film



b) Non-glass screen protectors

- TPU series Can be affixed to the full screen of curve surface, such as smooth TPU, repairable TPU, hydraulic film TPU
- TPU series Can be directly affixed to 3D curved screen mobile phones after heat-bending Surface scratch resistant is 3H and 5H.
- Flexible glass (PMMA) Can be directly affixed to 3D curved screen mobile phones after heat-bending



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WATERPROOF FOAM RUBBER

WATERPROOF FOAM RUBBER

Can be used for mobile phone, PAD and other electronic product surface and cover's bonding and fixing of internal parts of electronic products

- High adhesive force, stable weather resistance, waterproof, good anti-vibration effect, not easy to stick back
- Excellent die-cutting ability, meet the needs of the narrow border of mobile phones
- Punching type is not easy to layer, can correspond to thin demand, double sided tape with ultra-thin foam substrate

Code	Product	Thickness (mm)	Base Material	Adhesive	180° Peeling Force (N/inch)	Temperature Resistance (°C)	Retentivity (N/1kg/in²)
6315		0.15	Twilight waterproof Foam	Acrylic pressure sensitive Adhesive	16	-5~80	≥24
6320		0.20	Twilight waterproof Foam	Acrylic pressure sensitive Adhesive	16	-5~80	≥24
6325		0.25	Twilight waterproof Foam	Acrylic pressure sensitive Adhesive	18	-5~80	≥24
6330		0.30	Twilight waterproof Foam	Acrylic pressure sensitive Adhesive	18	-5~80	≥24
6215		0.15	Gray Black PE Foam	Acrylic pressure sensitive Adhesive	20	-5~80	≥24
6220		0.20	Gray Black PE Foam	Acrylic pressure sensitive Adhesive	20	-5~80	≥24
6225		0.25	Gray Black PE Foam	Acrylic pressure sensitive Adhesive	20	-5~80	≥24
6340J		0.40	Gray Black PE Foam	Acrylic pressure sensitive Adhesive	16	-5~80	≥24
6340JB		0.40	Black PET Black PE Foam	Acrylic pressure sensitive Adhesive	16	-5~80	≥24
6350J		0.50	Transparent PET Black PE Foam	Acrylic pressure sensitive Adhesive	16	-5~80	≥24
6350JB		0.50	Transparent PET Black PE Foam	Acrylic pressure sensitive Adhesive	16	-5~80	≥24
302		0.20	Black PET Black PE Foam	Acrylic pressure sensitive Adhesive	20	-5~80	≥24
325		0.25	Twilight waterproof Foam	Acrylic pressure sensitive Adhesive	20	-5~80	≥24
303		0.30	Twilight waterproof Foam	Acrylic pressure sensitive Adhesive	20	-5~80	≥24
304		0.40	Twilight waterproof Foam	Acrylic pressure sensitive Adhesive	20	-5~80	≥24



ANTI-CORRUGATED FOAM

ANTI-CORRUGATED FOAM

Can be used for reducing ripple through buffering under the electronic screen.

- Unique material: PE+ rubber polymer foam, good softness
- Can solve cell phone white spots, white spots and reduce water ripple

Code	Product	Thickness (mm)	Base Material	Density (g/cm³)	Compressive deformation (50%×70°×22hrs%)	Temperature Resistance (°C)	Stretch Rate (%)	Retentivity (N/1kg/in²)
W0010G		0.10	No-base Material	0.35	27	-20~100	Vertical : 275 Horizontal : 2100	7.64
W0015G		0.15	No-base Material	0.32	25	-20~100	Vertical : 2150 Horizontal : 2180	5.77
W0020G		0.20	No-base Material	0.20	14	-20~100	Vertical : 2150 Horizontal : 2180	4.42



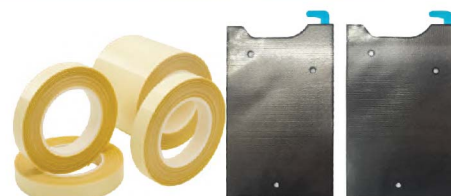
MESH EXHAUST ADHESIVE

MESH EXHAUST ADHESIVE

Can be used for cooling & exhaust

- Strong self-adhesive, excellent docileness and good space stability

Code	Product	Thickness (mm)	Base Material	Adhesive	180° Peeling Force (N/inch)	Temperature Resistance (°C)	Retentivity (N/1kg/in²)
203		0.03	Transparent PET	Acrylic pressure sensitive Adhesive	Slide A (Grid) 5 Slide B (Flat) 7	-5~80	≥24
205		0.05	Transparent PET	Acrylic pressure sensitive Adhesive	Slide A (Grid) 7 Slide B (Flat) 9	-5~80	≥24



NON-WOVEN/COTTON PAPER DOUBLE SIDED ADHESIVE

NON-WOVEN/COTTON PAPER DOUBLE SIDED ADHESIVE

Suitable for arc paste, stamping, nameplate, membrane witch paste, logos, photos, envelopes, hooks' fit, footwear and leather industry

- High-tension double-sided adhesive is anti-rebound, warpping, heat resistance and good temperature resistance
- Strong adhesion and holding power
- Better adhesion to various base materials
- Easy to tear, cleanliness

Code	Product	Thickness (mm)	Base Material	Adhesive	180° Peeling Force (N/inch)	Temperature Resistance (°C)	Retentivity (N/1kg/in²)
GM19		0.1	White cotton paper	Acrylic pressure sensitive Adhesive	16	-20~100	≥24
GM18		0.15	White cotton paper	Acrylic pressure sensitive Adhesive	16	-20~100	≥24
GM28		0.16	Non-woven paper	Acrylic pressure sensitive Adhesive	16	-20~100	≥24
GM22		0.14	Black cotton paper	Acrylic pressure sensitive Adhesive	16	-20~100	≥24
GM30		0.1	White cotton paper	Acrylic pressure sensitive Adhesive	16	-20~100	≥24
GM21		0.15	White cotton paper	Acrylic pressure sensitive Adhesive	20	-20~160	N/A
GM16		0.15	Filled White cotton paper	Acrylic pressure sensitive Adhesive	16	-20~100	≥24



Disclaimer : While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose.



GTG ADHESION PROMOTER

GTG ADHESION PROMOTER (AP-168)

Used in conjunction with GTG double-coated adhesive tape especially acrylic foam tape, for adhering to EPDM, PP material & etc

- A Type of Primer with the component of Toluene and Isopropyl Alcohol which exhibits high adhesion after coating and drying

Technical Data	Component		Synthetic Resin Primer
	Toulene	%	85-95
	Isopropyl Alcohol	%	0-10



STICKY MAT

STICKY MAT

Sticky Mat normally used in clean rooms premises, museums, laboratory, premium showrooms, hospitals, world premiere, premium hotels and childcare centers.

- Provide a fast, convenient, reliable way to clean shoe soles or other items before entering a clean and sanitary area
- Significantly reduce traffic-borne contaminants
- Numbered corner tabs for easy tracking of remaining sheets
- Easy sheet-to-sheet removal
- Non-transferring adhesive
- Smooth, effective surface is not damaged by shoes, booties or cart wheels
- Glossy and no bubble surface, no wrinkles



Disclaimer : While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for this purpose.

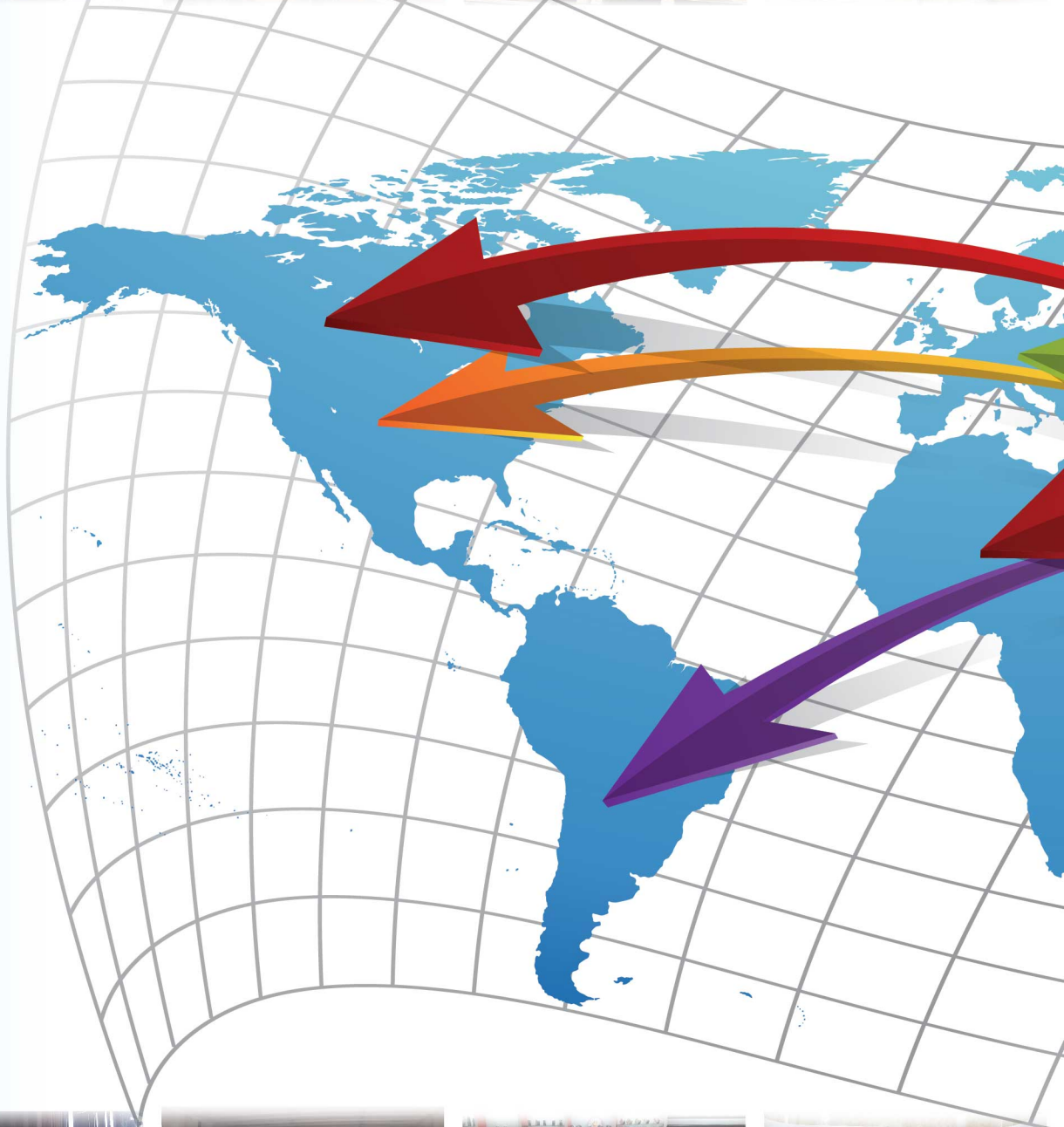




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TERMINOLOGY IN TAPES

A

ABRASION RESISTANCE

The ability of a tape to withstand rubbing and still function satisfactorily.

ACCELERATED AGING

A means whereby the deterioration of a tape encountered in natural aging may be accelerated and reproduced in the laboratory.

ACCELERATED WEATHERING (weathering)

Exposure in a chamber to ultraviolet light, heat, and water whereby the effect of outdoor exposure on a tape can be approximated.

ADHESION TO BACKING

The bond produced to the backing of the same tape or another tape backing.

ADHESIVE DEPOSIT OR RESIDUE

Adhesive that is pulled away from the tape upon removal and remains on the surface to which it has been applied.

ADHESIVE TRANSFER

The conveyance of adhesive from its normal position on the tape backing to a surface to which the tape was attached, either during unwind or removal.

ANCHORAGE

Specific adhesion of a pressure sensitive adhesive to a face material or an anchor coat.

B

BACKING

A relatively thin flexible material to which the adhesive is applied. Theoretically, any material that is reasonably flat, thin and flexible can be used as a tape backing.

BACKSIZE

An occlusive coating applied to the non-pressure sensitive side of a porous backing, such as paper, to provide a satisfactory surface that the pressure sensitive adhesive side can contact when the tape is wound into a roll.

BLEEDING

Penetration through the tape of a coloring material (paint, etc.) onto the surface to which the tape is applied.

BLOCKING

Adhesion between the sheets of the plies of rolls of coated material, usually due to extreme conditions of pressure, temperature or humidity.

BURSTING STRENGTH

The ability of a tape to resist damage when a force is applied evenly and perpendicularly to its surface.

C

CALIPER

The thickness (as of a sheet of paper) measured under specified conditions. See also THICKNESS.

CARRIER

A webstock that holds a pressure sensitive adhesive, especially used to refer to double-faced or double-coated tapes.

COATING WEIGHT

The weight of a coating per unit area. In SI-units expressed as grams per square meter (g/m²).

COHESION (cohesive strength, internal bond)

The ability of the adhesive to resist shear stress and splitting. Good cohesion is necessary for clean removal.

COLD FLOW

The tendency of a pressure sensitive adhesive to act as a heavy viscous liquid over long periods of time. Such phenomena as oozing and increase in adhesion with time are the result of this characteristic.

COLOR STABILITY

The ability of a tape to retain its original color, particularly when exposed to light.

CORONA RESISTANCE

The ability of an elastomeric adhesive, coating, or sealer acting as an insulator to withstand the effects of high-voltage discharge. Indications of failure appear as surface cracks.

CREEP

The slow movement of the adhesive or backing under shear stress.

CROSS-LINKING

The developing of a three-dimensional molecular structure in an adhesive normally activated by heat or irradiation. An improvement in shear resistance, high temperature resistance and oil or solvent resistance will normally result.

CURE

To alter the properties of an adhesive by chemical reaction, which may be condensation, polymerization or vulcanization. This is usually accomplished by the action of heat and catalysts, alone or in combination, with or without pressure.

CURL

The tendency of paper by itself or in a laminate to bend or partly wrap around the axis of one of its dimensions.

D

DELAMINATION

A separation or splitting of the tape, such as separation of the backing into two distinct layers; separation between laminations of a tape consisting of more than one backing; separation between filaments and backing of a filament reinforced tape; or separation of the adhesive from the backing.

DIELECTRIC STRENGTH

The measure of the maximum voltage stress that a single layer of tape can withstand before dielectric failure occurs, with the test being carried out under prescribed conditions.

DIMENSIONAL STABILITY

The property of a material that relates to the constancy of its dimensions, particularly in relation to external influences such as moisture or temperature.

DOUBLE COATED

An adhesive application to both sides of a backing.

E

EDGE CURL

The peeling back or lifting of the outer edge of an applied tape in a curved manner.

EDGE LIFT

The tendency for the edge of an adhesive label to lift from a surface to which it has been adhered.

ELASTICITY

The extensible property of adhesive films or adhesive interfaces to contract and expand in such a manner as to overcome the differential contraction and expansion rates that the bonded adherends may exhibit.

ELASTOMER

An elastic, polymeric substance, such as natural or synthetic rubber.

ELECTROLYTIC CORROSION FACTOR

A measure of the tape's corrosive effect on an electrical conductor, particularly copper. This is particularly important in the selection of tapes for electrical insulation.

ELONGATION (stretch, ultimate elongation)

The distance a tape will stretch in the machine or cross direction before breaking under controlled conditions, expressed as a percentage of original length. Elongation is not necessarily an indication of conformability.

F

FACE STOCK

Any paper, film, fabric, laminate, or foil material suitable for converting into pressure sensitive material stock. In the finished construction this web is bonded to the adhesive layer and becomes the functional part of the tape construction.

FALL-OFF

When a tape pulls completely from the surface to which it is applied and drops off.

FATIGUE

A weakness resulting from stress created by repeated flexing or impact force upon the adhesive-adherend interface.

FILAMENTS

Thin, longitudinal yarns or threads of glass, polyester, nylon, or other high-strength materials.

FLAKING

A condition sometimes occurring during removal of masking tape in which flakes or particles of paint flake away from the tape backing.

FLAME RESISTANCE

The ability of a tape to withstand exposure to flame. Fireproof materials will not burn even when exposed to flame. Flame-resistant (fire-retardant, self-extinguishing) materials will burn when exposed to flame, but will not sustain the burn after the flame is removed.

FLUTING

Distortion of a roll of tape such that the layers no longer form a circle.

G

GAPPING

Openings between layers of tape within a finished roll.

GLOSS

A light reflection characteristic of tape backings, usually expressed by such terms as glossy, low gloss, matte, etc.

H

HEAT SEAL

An adhesive film intended to be reactivated by the application of physical or chemical changes caused by exposure to high temperatures.

HIGH-SPEED UNWIND

A term referring to the process of unwinding or dispensing of tapes at a relatively high rate of speed, usually over 15 meters / minute.

HOLDING POWER (shear adhesion, shear resistance)

The ability of a tape to resist static forces applied in the same plane as the backing. Usually expressed in a time required for a given weight and length of tape to shear free from a vertical panel.

HOT MELT (pressure sensitive adhesive)

A pressure sensitive adhesive, applied to the backing in hot liquid form, which then cools to form a conventional pressure sensitive adhesive.

HUMIDITY

The moisture content of the air. Actual humidity is the number of grams of moisture in the air at any given time. Relative humidity is the percent of moisture relative to the maximum that air at any given temperature can retain without precipitation.

HYGROSCOPIC

A tendency of some materials to readily absorb moisture from the atmosphere.

I

IMPACT RESISTANCE (shock resistance)

The ability of a tape to resist sudden impacts, pulls, or shocks as may sometimes be encountered by packages in transit

INSULATION RESISTANCE

The ability of tape to prevent the flow of electrical current across its surface, usually measured on the backing.

L

LABEL STOCK

Pressure sensitive insulation materials furnished in roll or sheet form with liner that can be later printed, frequently die cut, and intended for use as labels.

LAP JOINT

A joint made by lapping one material over another to provide a mated area that can be joined with an adhesive.

LATENT STAIN

A stain in a surface to which tape has been applied, which does not become noticeable until some time after the tape is removed—usually after the surface has been exposed to sunlight or heat.

LIFTING

Situation where a section of tape pulls away from surface to which it has been applied.

M

METAL FOIL

Thin flexible sheets of metal, such as aluminum, copper and lead used as tape backings because of their inherent properties, such as weather resistance, electrical conductivity, reflectivity, etc.

MOISTURE VAPOR TRANSMISSION RATE

A measure of the rate of water vapor transmission through a pressure-sensitive product usually measured in grams square meter / 24 hours.

O

OFF-CORE

A roll of tape in which the layers are in correct alignment, but the tape is displaced sideways on the core.

OOZING

A “squeezing out” of the adhesive from under the backing. Occurrence when a tape is in a roll form causes the edges of the roll to become tacky.

OPACITY

The ability of a tape to prevent the transmission of light.

OUT-GASSING

The release of volatile components under heat or vacuum.

P

PATTERN COATED

Refers to the width and spacing arrangement of strips of adhesive laid down parallel to machine direction and across the width of pressure sensitive stock during its production.

PEEL ADHESION

The force per unit width required to break the bond between a pressure sensitive adhesive tape and the surface to which it has been applied when the tape is peeled back at a controlled angle at a standard rate and condition.

PLASTICIZATION

The softening of an adhesive when exposed to migrating plasticizers or oils.

PRESSURE SENSITIVE

A term commonly used to designate a distinct category of adhesive tapes and adhesives which in dry form (solvent / water free) are aggressively and permanently tacky at room temperature, and that firmly adhere to a variety of dissimilar surfaces upon mere contact without the need of more than finger or hand pressure. These products require no activation by water, solvent, or heat in order to exert a strong adhesive holding force toward such materials as paper, plastic, glass, wood, cement, and metal. They have sufficient cohesive holding power and elastic nature so that, despite their aggressive tackiness, they can be handled with the fingers and removed from smooth surfaces without leaving a residue.

PRESSURE SENSITIVE ADHESIVE TAPE

Pressure sensitive adhesive tape can be defined as a continuous flexible strip of cloth, paper, metal, plastic or foam coated on one or both sides with a permanently tacky adhesive at room temperature that will adhere to a variety of surfaces with light pressure (finger pressure) with no phase change (liquid to solid) and usually in roll form. PSAs can be blends of natural or synthetic rubber and resin, acrylic, silicone or other polymer systems, with or without additives.

PRIMING

The application of a thin layer of adhesive-like material to a backing that serves as a bonding agent between the backing and the final adhesive coat.

Q

QUICK STICK (Finger tack, initial adhesion, wet grab) - see TACK.

R

RELEASE LINER

A web of sheet material used as a protective liner, which covers the adhesive side of the tape. It is removed prior to application. It is most frequently found on double- sided tapes and label stocks.

RELEASE FORCE

The measure of the force required to separate a unit width of pressure sensitive tape from a release coated surface at a controlled angle and speed.

REWINDING

The operation of winding the webstock from the reel onto a core to produce rolls of the desired width, diameter, and tension.

ROPE STOCK

A smooth paper made wholly or largely of hemp fiber for tensile strength.

SATURATION (impregnation)

Adding materials (saturant) to the backing for improvement of physical properties and resistance to various deleterious environments.

SELF-SEAL

An adhesive joint that is accomplished by coating both adherend surfaces, and bringing them under pressure; an elastomeric adhesive (cohesive) used on envelope flaps, box closures, etc., whereby the adhesive film will bond only to itself.

SHEAR ADHESION

The time required, under specified test conditions (surface area, weight load), to slide a standard area of pressure sensitive tape from a standard flat surface in a direction parallel to the surface.

SHEAR STRENGTH AFTER SOLVENT IMMERSION

The force required to separate a bond by shear force after immersion in a typical varnish solvent under designated conditions.

SINGLE FACED

A tape to which a pressure sensitive adhesive is applied to only one side of the backing.

SLIP SHEET OR INTERLINER - See RELEASE LINER**SLIVERING**

When the tape tears or breaks into small pieces, either on unwind or on removal from a surface.

SUBSEQUENT ADHESION

The force required to remove a unit width of pressure sensitive tape from a standard panel after it has been in contact with a release liner for a given period of time. This must be compared with the adhesion of the same tape that has not been in contact with the release liner to determine the degree of loss of adhesion.

SURFACE ENERGY (surface wetting ability)

The measure of surface tension in dynes. The lower the surface energy of a substrate, the more difficult it becomes for an adhesive or coating to wet out that surface.

SURFACE TREATING

Any method of treating a polyolefin so as to alter the surface and render it receptive to inks, paints, lacquers, and adhesives such as chemical, flame, and electronic oxidation.

TACK

The property of a pressure sensitive adhesive that allows it to adhere to a surface under very slight pressure. It is determined by the ability of the adhesive to wet quickly the surface it contacts.

TEAR RESISTANCE

The force required to propagate a tear in a tape in a given direction after the tear has been initiated.

TELESCOPING

A sideways sliding of the tape layers, one over another, such that the roll looks like a funnel or a telescope, usually occurring over a period of time.

TENSILE STRENGTH (breaking strength)

The force required to break a unit width of tape by controlled pulling on opposite ends.

THICKNESS (caliper, gauge)

The perpendicular distance from one surface of either a tape, backing or adhesive to the other, usually expressed in mils, thousandths of an inch, or millimeters. This is usually measured under controlled slight pressure with a special gauge.

TRANSFER TAPE

A pressure-sensitive adhesive unsupported applied to a two-side release coated liner.

U**UNWIND or UNWIND ADHESION**

The force required to remove tape from a roll under prescribed conditions.

W**WATER PENETRATION RATE (WPR)**

The weight of water transmitted through a controlled area of tape under a specified time and conditions.

WATER VAPOR TRANSMISSION (WVTR)

The weight of water vapor allowed through a controlled area of tape within a specified time period and under controlled conditions.

SOURCE : PSTC.org

INTERNATIONAL REFERENCES



CHINA ADHESIVES AND TAPE INDUSTRY ASSOCIATION



JAPAN ADHESIVE TAPE MANUFACTURERS ASSOCIATION,



TAIWAN REGIONAL ASSOCIATION OF ADHESIVE TAPE MANUFACTURERS





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