



Color & Comfort



PRODUCT GUIDE

INDUSTRIAL ADHESIVE TAPES

DAITAC® 2024

DIC Corporation

Single-Coated Film Adhesive Tapes

Feature	Product Code	Liner Color Sample	Adhesive Force (N/20mm)	Thickness(mm)	Adhesive Substrate	Application	Max Width/Std Length
Thin Masking	IL-05G	Thin/Masking	3.5	0.005	Acrylic Adhesive	<ul style="list-style-type: none"> Ultra thin and good adhesion. Recognizable black tape. Good visibility with black color. 	1000mm/ 100-150m Random
	IL-10G		4.5	0.01			
Insulating	PF-025H	Available in Various Thicknesses	14.0	0.06	Acrylic Adhesive	<ul style="list-style-type: none"> PET substrate adhesion tapes that good smoothness and transparent quality. Excellent heat resistance. PET carrier tapes are approved under UL94-VTM2. 	1000mm/50m
	PF-050H		17.6	0.085			
	PF-075H		17.6	0.11			
	PF-100H		19.1	0.135			
	HRT30	Polyimide/High-Heat Resistant	3.0	0.03	Acrylic-based	<ul style="list-style-type: none"> Tape consist of a 25μm polyimide carrier with a high heat resistant acrylic adhesive. Excellent heat resistance and Good electrical insulating properties. 	980mm/50m
PI-025	9.8		0.05	Acrylic Adhesive	<ul style="list-style-type: none"> Tape consist of a 25μm polyimide carrier with a high heat resistant acrylic adhesive. Suitable liner for good workability. Designed for applications requiring insulation and high heat resistance. ★UL510FR Approved (File No: E167390) 	980mm/50m	
Light Shielding	LS-016H(N)	Light Shielding	6.0	0.03	Acrylic Adhesive (Black)	<ul style="list-style-type: none"> Excellent for light shielding. Consisting of Black PET carrier and black adhesive. Excellent for adhesion and light shielding characteristics in a thin tape. Halogen free tape, utilizes no halogenated compounds. ※PET carrier it self is transparent (black coated). Lighting may transmit horizontally. 	1000mm/50m
	LS-025H(N)		11.0	0.05		<ul style="list-style-type: none"> Excellent for light shielding. Consisting of black pasted PET carrier and black adhesive. Excellent for adhesion and light shielding characteristics. Halogen free tape, utilizes no halogenated compounds. 	960mm/50m
	LS-050H		12.0	0.075		<ul style="list-style-type: none"> Excellent for light shielding. Consisting of black pasted PET carrier and black adhesive. Excellent for adhesion and light shielding characteristics. Halogen free tape, utilizes no halogenated compounds. 	960mm/50m
Protection film	PACHCUT PET50SER	Antistatic/Protection Film	0.1	0.07	Acrylic Adhesive	<ul style="list-style-type: none"> Can be used as a protection film. Film can be removed. PET carrier provides good workability. 	1090mm/100m
	SOFTACK PO CLEAR 80SER	Protection Film	0.2	0.10	Acrylic Adhesive	<ul style="list-style-type: none"> Protection film for display and others. No residues would be seen. Flexible polyolefin substrate ables to conform rough surface. UV and offset printing on polyolefin film is possible. 	1090mm/100m
Anti-Shattering	HC1100SF-TP	Shatter Proof Hard Coated Adhesive Tape	6.0 (to tempered glass)	0.094	Acrylic Adhesive	<ul style="list-style-type: none"> Fingerprints and oils will removed easily from hard-coated film surface. Hard coated adhesive film will protect glass surface on electronic mobile devices and prevent glass from shattering. Excellent optical clarity and posses the highest standard of pencil hardness. (2-3H/with adhesive) Protective film is used on Hard coated PET film. 	960mm/ 100m-150m Random
	HC2120SF-TP		6.0 (to tempered glass)	0.12			
	HC6100SF-DP2		—	0.11			
Shock Absorbing	SAG80	Foam Tape	4.5	0.085	Acrylic Adhesive	<ul style="list-style-type: none"> Excellent for cushion usage. Using back side of display, it will help to prevent cracks. ※We also have 105μm/210μm tapes. 	980mm/50m

Adhesive Transfer Tapes

Feature	Product Code	Liner Color Sample	Adhesive Force (N/20mm)	Thickness(mm)	Adhesive Substrate	Application	Max Width/Std Length
Heat Resistance	#8080	High Heat Resistance	10.3	0.06	Acrylic-based	<ul style="list-style-type: none"> Heat resistant adhesive transfer tape. Heat resistant to 150°C. Good workability. Suitable for various applications; including nameplate, general industrial surfaces and high heat requirements. ★UL969 Approved (File No: MH12834) 	1000mm/50m
Flame Resistance	#8080NR	Flame Resistance/Halogen Free	10.0	0.05	Acrylic-based (Flame Resistant)	<ul style="list-style-type: none"> Environmentally friendly flame resistant transfer tape which does not use halogen - based flame retardant. Excellent for bonding applications requiring a flame retardant adhesive system. ★UL510FR Approved (File No: E167390) 	1000mm/50m
Electrically Conductive	#8035N	Thin/Electrically Conductive	7.0	0.03	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> Electrically conductive adhesive transfer tape. Designed for bonding applications requiring conductivity. 	1000mm/50m

High Transparency Adhesive Transfer Tapes




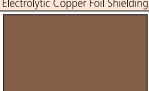
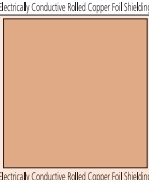


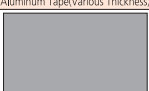
Feature	Product Code	Liner Color Sample	Adhesive Force (N/20mm)	Thickness(mm)	Adhesive Substrate	Application	Max Width/Std Length
High Transparency	ZB7011W	Optically Clear Adhesive Transfer Tape	11.0 (to glass)	0.025	Acrylic-based	<ul style="list-style-type: none"> Excellent Transparency. Resists outgassing from plastic substrates. Excellent processability. 	980mm/ 100-150m Random
	ZB7012W		11.0 (to glass)	0.05			

Double Coated, Metal Foil Adhesive Tapes

Feature	Product Code	Liner Color Sample	Adhesive Force (N/20mm)	Thickness(mm)	Adhesive Substrate	Application	Max Width/Std Length
Easy Disassemble	DSA500-ST	Stretching tape	20.0	0.5	Adhesive	<ul style="list-style-type: none"> It is possible to removable (easy disassemble) by stretching the tape. Excellent adhesion 	1000mm/30m
	DSA800-ST		20.0	0.8	Adhesive		1000mm/20m
	DSA900-ST		21.0	0.9	Adhesive		1000mm/20m
Electrically Conductive	CDW25	Electrically Conductive / Fabric	9.0	0.025	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> Electrically conductive double coated tape using copper foil. Recommend to use in adhesion parts requiring high electrical conductivity and shielding. 	1000mm/50m
	#8520FDW-30	Electrically Conductive / Fabric	7.0	0.03	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> Double coated tape using conductive fabric as a carrier. Excellent flexibility that suits for applying bending usage and fixing rough surface. Suitable for fixing the parts requiring high conductivity and shielding. 	1000mm/50m
	#8520FDW-50		9.0	0.05	Acrylic-based (Electrically Conductive)		
	Aluminum Foil	#8530AD	Electrically Conductive / Aluminum Foil Carrier	9.8	0.09	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> Electrically conductive double coated tape using aluminum foil. Recommend to use in adhesion parts requiring high electrical conductivity, heat dissipation and shielding.

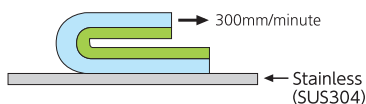
Values given in the table(s) are examples of laboratory measurements. These values are not guaranteed for any specific application. Please contact us for slit sizes.

Single Coated, Metal Foil Adhesive Tapes

Feature	Product Code	Liner Color Sample	Adhesive Force (N/20mm)	Thickness(mm)	Adhesive Substrate	Application	Max Width/Std Length		
Shielding	Copper Foil	E-0100LC		16.0	0.02	Acrylic Adhesive	<ul style="list-style-type: none"> A thin shielding tape that uses 9um electrolytic copper foil as a carrier. Excellent repulsion resistance and durability. Use this tape for electromagnetic wave shielding, heat radiation and grounding. 	1000mm/50m	
		E-1100LC		16.7	0.04	Acrylic Adhesive	<ul style="list-style-type: none"> A thin shielding tape that uses 18um electrolytic copper foil as a carrier. Excellent repulsion resistance and durability. Use this tape for electromagnetic wave shielding, heat radiation and grounding. 	1000mm/50m	
		E-2100LC		17.6	0.07	Acrylic Adhesive	<ul style="list-style-type: none"> A shielding tape that uses 35um electrolytic copper foil as a carrier. Excellent repulsion resistance and durability. Use this tape for electromagnetic wave shielding, heat radiation and grounding. ★UL510FR Approved (File No.:E167390) 	1000mm/50m	
		E-2300ND		12.0	0.065	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> A shielding tape that uses 35um electrolytic copper foil as a carrier with electrically conductive adhesive. Excellent repulsion resistance and durability. Use this tape for electromagnetic wave shielding, heat radiation and grounding. ★UL510FR Approved (File No.:E167390) 	500mm/50m	
	E20CU		10.0	0.02	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> A shielding tapes that uses electrolytic copper foil as a carrier with electrically conductive adhesive. Variety of thickness are available. Excellent repulsion resistance and durability. Use this tape for electromagnetic wave shielding, heat radiation and grounding. 	1000mm/50m		
	E30CU		11.0	0.03					
	E50CU		11.8	0.05					
	E65CU		12.8	0.065					
	Aluminium Foil	Conductive Fabric	E-5025CF		9.0	0.025	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> Single coated tape using conductive fabric as a carrier. Excellent flexibility that suits for applying bending usage and fixing rough surface. Use this tape for electromagnetic wave shielding, heat radiation and grounding. 	1000mm/50m
			Aluminum Foil	52050LA		17.6	0.095	Acrylic Adhesive	<ul style="list-style-type: none"> A shielding tape that uses soft aluminum foil as a carrier. Use this tape for electromagnetic wave shielding and heat radiation. ★UL510FR Approved (File No.:E167390)
52080LA				19.6		0.125			
52100LA		19.6		0.145					
52050AD		14.7	0.08	Acrylic-based (Electrically Conductive)	<ul style="list-style-type: none"> A shielding tape that uses 50um soft aluminum foil as a carrier with electrically conductive adhesive. Excellent durability, Performs well for stainless steel. Use this tape for electromagnetic wave shielding, heat radiation and grounding. ★UL510FR Approved (File No.:E167390) 	1000mm/50m			

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Adhesive Force



Preparation : Lamine the double-coated adhesive tape with 25um PET.
 Attachment : Temporarily attach the tape to the surface and apply pressure in back and forth motion with 2kg roller.
 Dwell : Leave the tape for one hour under the condition of 23 °C and 50%RH.
 Measurement : Measure the strength when the tape is peeled off at a speed of 300mm/min, in the 180°degree angle under the condition of 23 °C and 50%RH.

[Method for Confirming the Details of UL Approval]

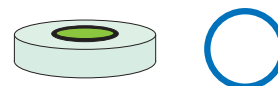
- 〈UL969:MH12834〉 〈UL94:E130059〉 〈UL510 : E167390〉
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→ UL Web Site TOP page
 - Move to the Search service page Click [Online Certifications Directory]
→ To Search TOP page
 - Choose the search criteria(for searching by specific File No.) Click UL File Number
→ To File No.entry page
 - Enter MH12834 or E130059 or E167390 in the box. Click Search
→ Display of search result
 - Display the details Click PGGU2.MH12834 Click QMFZ2.E130059 Click OANZ2.E167390
→ Display of the details
 - Check the target materials Scroll the window to find the material
→ Completion of check

☐ Cautions,when Considering Tapes

Type of Adherend	Description
PP・PE	...Because of weak surface tension, adhesion is not easy.
PVC	...The adhesive agent will be plasticized due to movement of the plasticizing agent.
Rubber	...Various adhesives will detrimentally affect the adhesive agent,Pre-evaluation should be done.
Foam	...The adhesion area will decrease due to the porous nature and coarse surface.
Mortar	...Influence by the porous nature and alkali ingredients.
Tile	...Usage in a place where water frequently leaks(water resistance, moisture resistance).
Glass	...The adhesive agent will deteriorate from exposure to direct sunlight(UV rays).
Antifouling coating	...Adhesion is not easy because of silicone-based/fluorinated additives.

☐ Precaution for Attaching and Storing the Tape

- The attachment temperature should be around 20°C.
- Remove moisture, dust, oil and release agent from the surface.
- Apply sufficient pressure on the tape after attaching it.
- Keep the tape in a polyethylene bag at room temperature, avoiding direct sunlight.
- Keep the tapes horizontally in stack.



• Critical Surface Tension of Plastics (dyne/cm²)

PET	PVC	Polystyrene	PP	PE	Flourine Resin	Silicon Resin
46	39	37	28	22	18.5	18

Easier to Adhere ← → Harder to Adhere

Safety Precautions

1. Handling

- Each adhesive tape is designed for specific applications depending on individual specifications. Be sure to choose the one appropriate for your needs.
- Adhesive tape is combustible and contains a very small amount of ignitable ingredients. Keep the tape away from ignition sources and handle in a working environment where the necessary ventilation devices are installed.
- Adhesive tape may cause irritation when contacting the skin or the eyes. Be sure to wear adequate protective gear such as gloves and glasses.
- To prevent static charges, be sure to implement antistatic measures, including installation of an adequate static electricity removal device where static charges from processing machines are likely to be generated.
- Scraps from products (release paper, in particular) are slippery, which may cause falling accidents. Do not put chips in walking zones.

2. Storage

- Keep the tape in a well-ventilated, cool, dark place, away from direct sunlight, and stack vertically. Never bring objects that could be the sources of ignition close to the tape.
- Extra tape after use should be re-packaged in a polyethylene bag and not exposed to outside air.
- The first-in and first-out management must be strictly maintained to ensure the use of previously manufactured goods. This will ensure materials will be in good condition when used.

3. First Aid Measures

- Skin contact: Remove the tape from the skin and rinse skin with water and water-based soap. In addition, if problems such as infection are noted on the skin, seek medical treatment by a medical specialist as soon as possible.
- If swallowed: Immediately induce vomiting. If the victim feels sick, seek medical treatment by a medical specialist as soon as possible.
- Eye contact: Flush the eyes with clean cold water. If the victim feels sick, seek immediate medical treatment by a medical specialist as soon as possible.

Notice

- The data stated in this pamphlet are based on the data obtained through our tests and tests that are believed to be reliable. The data, however, are examples quoted for reference, and are not guaranteed values. Users are requested to use the products after checking that they are suitable for your applications.
- The product specifications stated in this pamphlet are subject to change without prior notice. If you are using the product for the first time, be sure to contact the following addresses before using the product.
- Users are requested to understand that we do not guarantee that the products will not infringe on the industrial property rights of third parties concerning the use or the application of products stated in this pamphlet.

Users are also requested to take adequate treatment according to actual usage of their own handling methods, etc.

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Please check the website with the QR code for the latest product information.
https://www.dic-global.com/en/products/adhesive_tapes/