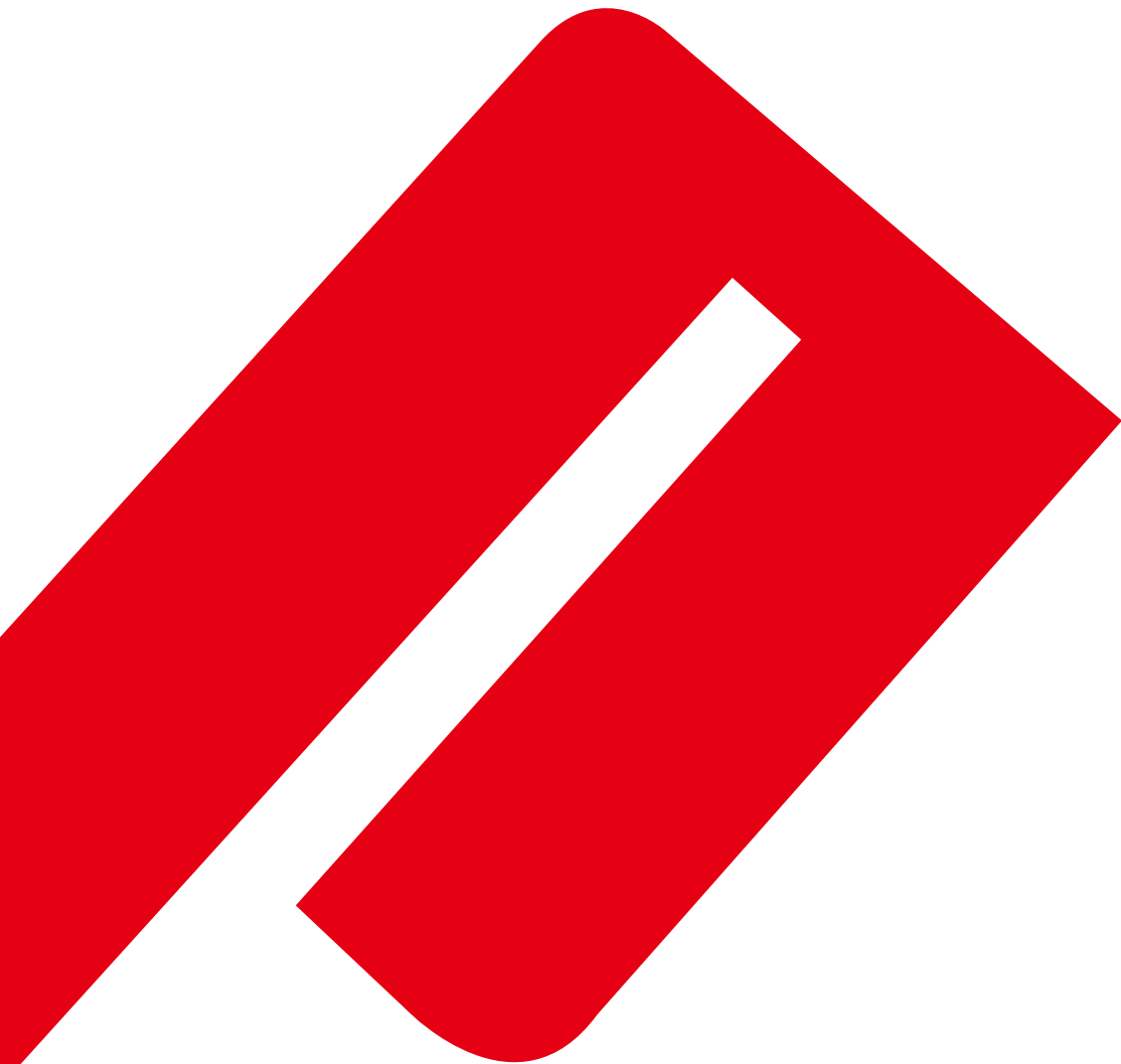




**YOU-SAN TECHNOLOGY**

Web: [www.yousantape.com](http://www.yousantape.com)





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Shenzhen You-San Technology Co., Ltd. is a diversified group company, including industrial tape business, film product business, and die-cutting business department. You-San Technology is an innovative production enterprise integrating R&D, production and sales. It has an adhesive and precision coating technology research and development team, covering polymer synthesis, polymer rheology technology, high-performance film research, precision coating and high-precision mold Cut manufacturing, can provide a full-process solution for adhesive tape application. Our company is headquartered in Shenzhen Special Economic Zone, the capital of innovation in mainland China, and has production bases and sales departments in Hong Kong, Dongguan, Huizhou, Kunshan, Xiamen, Yancheng and Jinhua. While solving the needs of domestic customers, we also look at the international market, participate in economic globalization and the international industrial division of labor system, and integrate into the global supply chain with a positive attitude. The company always adheres to the principle of survival by quality, development by innovation, dedication to the heart, and the service tenet of customer first.

### **Industrial Tape Division**

Industrial tape mainly includes double-sided adhesive series: double side tissue tape, double side PET tape, double side transfer tape, double side PVC tape, double side flame retardant tape, hot-melt adhesive film, foam series: acrylic foam tape, acrylic reinforced tape, double side PE foam tape, PU foam, double side EVA foam tape, waterproof foam tape, silicone foam, airtel foam, high temperature series: single-side kapton tape, double side kapton tape, Teflon tape, PET high temperature tape, glass cloth tape, conductive thermal conductive series: thermal conductive glass fiber tape, thermal conductive transfer tape, thermal silicone pad, copper foil tape, nano carbon copper foil, aluminum foil tape, nano carbon Aluminum foil, Mylar aluminum foil, conductive cloth tape, double side conductive cloth tape, insulation series: Mylar tape, lithium battery tape, margin tape, acetate cloth tape, Nomex paper tape, single-sided tape: filament tape, MOPP fixing tape, warning tape, single side PET tape, masking tape, cloth tape, kraft paper tape, protective tape,

# Company profile

bopp packing tape, reflective tape, new energy material series: lithium battery diaphragm, airgel thermal insulation film, photovoltaic film .

## **Film Products Division**

Our company has introduced a number of high-precision blown film production lines from Japan, a number of high-precision coating lines from homeland and abroad, automatic slitting machines, and high-precision slitting and laminating machines. Provide basic technical support for the research and development of new materials such as high-performance protective films from the source of the film, and truly master the core technology. The film products business department is committed to the research, development, production and sales of protective films. The product series include PE, PET, PU, CPP, PP, OPP, acid-resistant film, release film, UV film, OCA optical film, privacy film, packaging film , nano-textured PC, etc., the products are widely used in backlight modules, light guide plates, touch screens, LCDs, plastic lenses, glass lenses, PC sheets, PET sheets, PMMA sheets, notebook mice, handwriting tablets, wafers cutting, ceramic cutting, MLCC, glass etching and more. In the development and application of membrane technology, we have always kept pace with world-renowned enterprises and the same industry, providing the highest quality products and solutions for the world.

## **Die Cutting Division**

Die-cut products are mainly used for surface protection of electronic and electrical accessories, strong bonding between structures, shockproof, and sealing. Service panel industry, touch screen mobile phone accessories industry accessories, automotive, new energy vehicles, transformers, glass, home appliances, plastics, hardware and other industries.

Quality is the life of You-San company, customer satisfaction is our business purpose, sincere service and common growth!



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## Introduction

Double Sided Tissue Tape is an industrial adhesive tape made of cotton paper as the base material, evenly coated with high-performance acrylic pressure-sensitive adhesive on both sides, and then compounded with release paper. It has anti-rebound (better than other Double-Sided Tapes, especially suitable for sticking on curved surfaces), anti-warping, high temperature resistance, strong stickiness, and strong adhesion to various material surfaces.

## Application

- ◆ Bonding of rubber strips and plastics in the rubber and plastic industry.
- ◆ It is suitable for bonding nameplates, buttons, foot pads, refrigerator evaporators and control panels.
- ◆ Bonding of low surface energy PP and PE plastic home appliance display boards.
- ◆ Stamping metal signage.
- ◆ Bonding and fixing the heating wire of the smart rice cooker.
- ◆ Bonding and fixing of speaker nets of TV and computer speakers.
- ◆ Foam sealing and pasting of EPDM and PU foam.
- ◆ Paste the cotton blanket on the top of the car.
- ◆ Paste the back panel of the upper cover of the printer.
- ◆ In the paper industry, manual splicing process, super rolling process, resin coating process and roll changing joint.
- ◆ Temporary fixation for computerized embroidery.
- ◆ Paper box pasting for general ornaments, temporarily fixing handicrafts.

## Property

Product Code Technical Parameters	Color	Total Thickness [um]	Backing	Adhesive	Initial Tack[mm]	180°Peel Strength [N/inch]	Retentivity [hour]	Long-Term Temperature Resistance[°C]	Short-Term Temperature Resistance[°C]
P3112A	Translucent	120	Tissue	Acrylic	≤100	≥20	48	120	150
P3115A	Translucent	150	Tissue	Acrylic	≤100	≥20	48	100	150
P3115A+	Translucent	150	Tissue	Acrylic	≤100	≥18	48	150	180
P3105H	Translucent	50	Tissue	Acrylic	≤100	≥9	24	80	120
P3110H	Translucent/Black	100	Tissue	Acrylic	≤100	≥11	24	80	120
P3112H	Translucent/Black	120	Tissue	Acrylic	≤100	≥13	24	80	120
P3114H	Translucent/Black	140	Tissue	Acrylic	≤100	≥15	24	80	120
P3116H	Translucent/Black	160	Tissue	Acrylic	≤100	≥16	24	80	120
P3112N	Translucent	120	Tissue	Acrylic	≤100	≥12	24	120	150
P3114N	Translucent	140	Tissue	Acrylic	≤100	≥14	24	120	150
P3116N	Translucent	160	Tissue	Acrylic	≤100	≥15	24	120	150
P3100G	Translucent	70-160	Tissue	Acrylic	≤150	≥9-20	2	30	40
P3100G1	Translucent	70-120	Tissue	Acrylic	≤120	≥9-14	20	30	40
P3110	Translucent	100	Tissue	Acrylic	≤100	≥11	24	40	60
P3112	Translucent	120	Tissue	Acrylic	≤100	≥13	24	40	60
P3114	Translucent	140	Tissue	Acrylic	≤100	≥14	24	40	60
P3116	Translucent	160	Tissue	Acrylic	≤100	≥15	24	40	60



## Introduction

Double Sided Tissue Tape is an industrial adhesive tape made of cotton paper as the base material, evenly coated with high-performance acrylic pressure-sensitive adhesive on both sides, and then compounded with release paper. It has anti-rebound (better than other Double-Sided Tapes, especially suitable for sticking on curved surfaces), anti-warping, high temperature resistance, strong stickiness, and strong adhesion to various material surfaces.

## Application

- ◆ Nameplates, labels, signs: used in screen printing, advertising, aviation, medical and industrial equipment, automobiles, home appliances, electronic markets and other industries.
- ◆ Soft board FPC: used in mobile phones, notebook computers, PDAs, digital cameras, LCM and other electronic products.
- ◆ Membrane switch: including flexible, rigid, concave-convex and other types of membrane switches.
- ◆ Anti-shock foam: good Initial Tack and stickiness, high cohesion, and good plasticization resistance.

## Property

Product Code	P3305	P3306H	P3306N	P3310	P3313	P3313H	P3313N
Technical Parameters							
Color	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent
Total Thickness[mm]	0.05	0.06	0.06	0.1	0.13	0.13	0.13
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
Initial Tack[mm]	≤100	≤100	≤100	≤100	≤100	≤100	≤100
180° Peel Strength[N/inch]	18	13	13	12	18	18	18
Retentivity[hour]	24	24	24	24	24	24	24
Long-Term Temperature Resistance [°C]	80	150	150	80	80	150	150
Short-Term Temperature Resistance [°C]	120	200	200	120	150	200	200



## Introduction

Double Sided PET tape is made of PET film as the base material and coated with special acrylic pressure-sensitive adhesive on both sides. It has excellent adhesion, good Initial Tack and stickiness, good high humidity resistance, excellent aging resistance, excellent high and low temperature shear resistance, strong Tensile Strength and other characteristics.

## Application

- ◆ Used for pasting of backlight modules, fixing and pasting of electronic and electrical components, dust-proof nets, LED reflection molds and other parts.
- ◆ Bonding and fixing of nameplates and membrane switches in the home appliance industry.
- ◆ Paste and fix FPC.
- ◆ Paste and fix the internal structure of OLED.
- ◆ The module is fixed by pasting the protective film.
- ◆ Temporary fixing and pasting of mobile phone parts.
- ◆ Paste the graphite sheet inside the mobile phone.
- ◆ Paste and fix the rubber feet.
- ◆ Paste the sprayed board on the mesh surface of the microwave oven door.

## Property

Product Code Technical Parameters	Color	Total Thickness [um]	Backing	Adhesive	Initial Tack[mm]	180°Peel Strength [N/inch]	Retentivity [hour]	Long-Term Temperature Resistance[°C]	Short-Term Temperature Resistance[°C]
P3205A	Transparent	50	0.012	Acrylic	≥100	≥11	≥24	80	120
P3210A	Transparent	100	0.012	Acrylic	≥100	≥20	≥24	80	120
P3215A	Transparent	150	0.012	Acrylic	≥100	≥20	≥24	80	120
P3217A	Transparent	170	0.012	Acrylic	≥50	≥20	≥24	80	120
P3203G/B	Transparent/Black	30	0.012	Acrylic	≤150	≥7	≥24	80	120
P3205G/B	Transparent/Black	50	0.012	Acrylic	≤150	≥8	≥24	80	120
P3208G/B	Transparent/Black	80	0.012	Acrylic	≤120	≥10	≥24	80	120
P3210G/B	Transparent/Black	100	0.025	Acrylic	≤100	≥12	≥24	80	120
P3213G/B	Transparent/Black	125	0.025	Acrylic	≤100	≥14	≥24	80	120
P3216G/B	Transparent/Black	160	0.025	Acrylic	≤100	≥15	≥24	80	120
P3220G/B	Transparent/Black	205	0.025	Acrylic	≤100	≥17	≥24	80	120
P3208M	Transparent	80	0.012	Acrylic	≤120	≥10	≥24	80	120
P3210M	Transparent	100	0.012	Acrylic	≤100	≥12	≥24	80	120
P3216M	Transparent	160	0.012	Acrylic	≤100	≥15	≥24	80	120
P3220M	Transparent	205	0.012	Acrylic	≤100	≥17	≥24	80	120
P3220LM	Transparent	205	0.012	Acrylic	≤100	≥18	≥24	40	60
P3200	Transparent	80-150	0.025	Acrylic	≤100	≥8-15	≥3	30	40
P3205AB	Transparent/Black	50	0.012	Acrylic	≤100	A≥8 B≥7	≥24	80	120
P3208AB	Transparent/Black	80	0.025	Acrylic	≤100	A≥10 B≥8	≥24	80	120
P3210AB	Transparent	100	0.025	Acrylic	≤100	A≥16 B≥12	≥24	80	120
P3213AB	Transparent	125	0.025	Acrylic	≤100	A≥14 B≥12	≥24	80	120
P3214AB	Transparent	140	0.025	Acrylic	≤100	A≥18 B≥14	≥24	80	120





**Introduction**

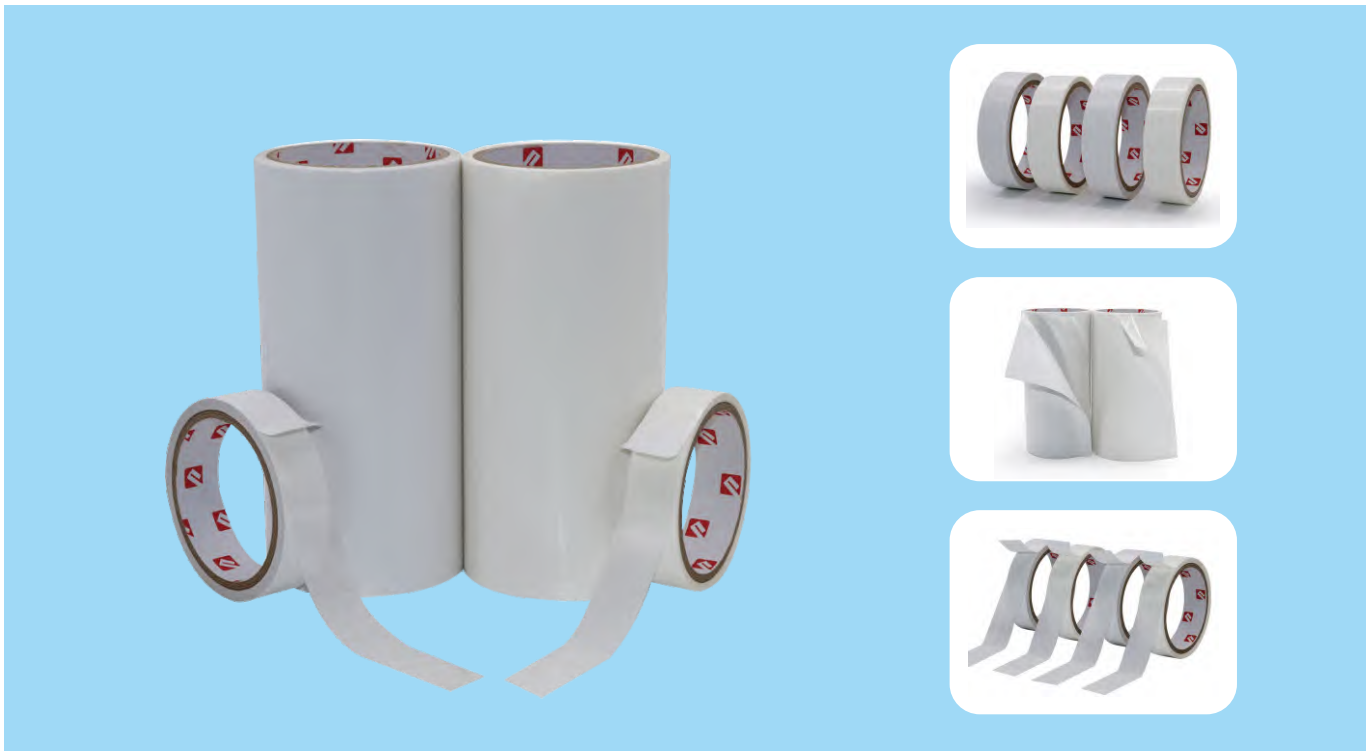
Double Sided PVC Tape is made of PVC as the base material, coated with acrylate glue on both sides, and then compounded with release film/release paper. It has good flexibility, good ductility, suitable for sticking on uneven surfaces, temperature resistance, and moisture resistance, and has high bonding strength to rough surfaces and non-tough surfaces.

**Application**

Suitable for pasting between the exterior heat-resistant lens and the fixed plate of the car, and the pasting of furniture modules and decorative parts. It has better effect on the surface of various materials (PP, PE, PVC, ABS, PC, aluminum, steel) Adhesion.

**Property**

Technical Parameters	Product Code	P3423	P3425	P3432
Color		Milky White	Milky White	Milky White
Total Thickness[mm]		0.225	0.25	0.325
Backing		PVC	PVC	PVC
Adhesive		Acrylic	Acrylic	Acrylic
180°Peel Strength[N/inch]		16	18	20
Initial Tack[mm]		≤100	≤100	≤100
Retentivity[hour]		≥24	≥24	≥24
Long-Term Temperature Resistance [°C]		60	60	60
Short-Term Temperature Resistance [°C]		80	80	80



## Introduction

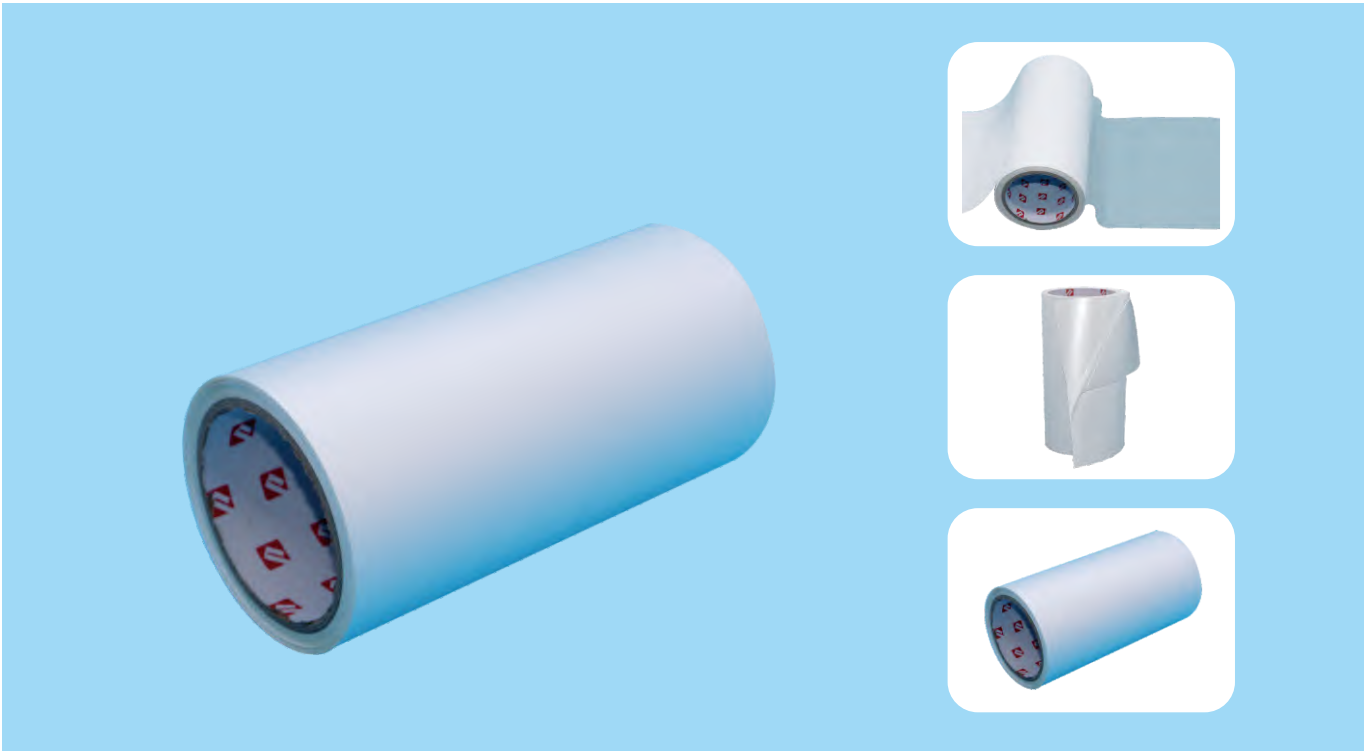
Double Sided Flame Retardant Tape is made of cotton paper/PET as the base material, double-sided coated with flame-retardant acrylate pressure-sensitive adhesive or without base material, made into flame-retardant tape without base material. It has high flame retardancy, fire prevention, high adhesion, good stickiness, and good adhesion to various materials.

## Application

- ◆ Planar paste and assembly of foam, flannelette, fabric, battery pack and other parts inside the car body.
- ◆ Die-cutting and pasting of battery packs.
- ◆ Bonding and fixing of various nameplates and foam products.
- ◆ Car seat cushion, car interior foam pasting.
- ◆ Pasting of foam inside the car body, car seat cushions and the like.
- ◆ Felt/foam flat paste.
- ◆ Wire harness packaging, 60/80 °C anti-curved surface.

## Property

Product Code Technical Parameters	Color	Total Thickness [um]	Backing	Initial Tack [mm]	180° Peel Strength [N/inch]	Retentivity [h]	Long-Term Temperature Resistance [°C]	Short-Term Temperature Resistance [°C]	Flammability Rating	Application
P3110F	Translucent	100	Tissue	≤180	≥10	24	80	120	FMVSS 302	Felt/Foam Flat
P3112F	Translucent	120	Tissue	≤180	≥12	24	80	120	FMVSS 302	Felt/Foam Flat
P3113F	Translucent	130	Tissue	≤180	≥13	24	80	120	FMVSS 302	Felt/Foam Flat
P3115F	Translucent	150	Tissue	≤100	≥19	24	80	120	MS300-8	Low VOC, suitable for Japanese/Korean car seat cushions, car interior foam paste
P3116F	Translucent	160	Tissue	≤180	≥20	24	80	120	FMVSS 302	Felt/foam/60°C anti-curved surface
P3306F	White	65	/	/	≥5	24	80	120	VTM-0	Wire harness wrapping/80°C anti-curved surface, applicable to the Great Wall VOC standard
P3310F	Translucent	100	/	≤180	≥13	24	80	120	VTM-0	Pasting of foam inside the car body, car seat cushions, etc.
P3205F	Milky White	50	PET	≤180	≥20	24	80	120	VTM-0	Bonding and fixing of various nameplates and foam products
P3213F	Milky White	130	PET	≥50	≥13	24	80	120	VTM-0	Car seat cushion, car interior foam pasting
P3220F	Milky White	200	PET	≤180	≥20	24	80	120	VTM-0	Car seat cushion, car interior foam pasting



**Introduction**

The hot melt adhesive film is made of thermoplastic colloid composite release film such as TPU/EVA. It has the characteristics of excellent adhesion, solvent-free, good thickness consistency, and easy processing.

**Application**

Applicable to fabric compounding, sponge compounding, insole compounding, underwear, clothing accessories and other products

**Property**

Technical Parameters	Product Code	P3600U	P3600UH
Color		Translucent	Translucent
Total Thickness[mm]		0.03 ~ 1	0.03 ~ 1
Backing		TPU	TPU
Density[g/cm <sup>3</sup> ]		1.2	1.2
Hardness[Shore A]		80	90
Tensile Strength[Mpa]		21	22
Elongation[%]		630	500
Processing Pressure[kg]		0.5 ~ 5	0.5 ~ 5
Hot Pressing Time[s]		8 ~ 20	8 ~ 20
Hot Pressing Temperature[°C]		50 ~ 80	135 ~ 160



## Introduction

Acrylic foam tape is made of a single layer of acrylic adhesive, covered with a release film or release paper. It has strong adhesion, good weather resistance, excellent adhesion to high surface energy and low surface materials, good balance between Initial Tack and shear strength, chemical solvent resistance, moisture resistance, and UV resistance.

## Application

- Automobile industry: assembly and decoration of various automobiles, commercial vehicles, commercial vehicles, construction machinery, etc.
- Solar photovoltaic industry: solar photovoltaic cell sealing and fixing; module fixing, assembly fixing and sealing.
- Elevator industry: bonding of reinforcing ribs, bonding of fixed parts such as mirrors and decorative panels.
- Electronics industry: bonding, fixing, sealing and waterproofing of various electronic digital products, home appliance processing and assembly.
- Construction industry: glass curtain wall, door and window assembly, elevator, etc. provide super strong adhesion and dustproof sealing, and provide heat insulation, connection, binding, waterproof, repair, sealing, etc. for building construction.
- Advertising industry: Various advertisements, street signs, sign nameplates, nameplates, label bonding, etc. are fixed.

## Property

Product Code	P3025	P3040	P3050	P3064	P3080	P30100	P30120	P30150	P30200
Technical Parameters									
Color	Grey, White, Transparent, Black								
Total Thickness[mm]	0.25	0.4	0.5	0.64	0.8	1	1.2	1.5	2
Backing	-	-	-	-	-	-	-	-	-
Adhesive	Acrylic								
180°Peel Strength[N/inch]	20	25	20	25	25	30	22	25	22
Retentivity[hour]	> 24								
Long-Term Temperature Resistance [°C]	120								
Short-Term Temperature Resistance [°C]	160								



## Introduction

Acrylic reinforced tape is made of acrylic foam glue as the base material, coated with acrylic pressure-sensitive adhesive on the top and bottom to form a three-layer structure adhesive layer, and then covered with a release film or release paper. It has super viscous properties, excellent shock-proof cushioning properties, excellent water resistance and air tightness, good sound insulation effect, good UV resistance, good solvent resistance, resilience and high tension resistance.

## Application

- ◆ Automobile industry: assembly and decoration of various automobiles, commercial vehicles, commercial vehicles, construction machinery, etc.
- ◆ Solar photovoltaic industry: solar photovoltaic cell sealing and fixing; module fixing, assembly fixing and sealing.
- ◆ Elevator industry: bonding of reinforcing ribs, bonding of fixed parts such as mirrors and decorative panels.
- ◆ Electronics industry: bonding, fixing, sealing and waterproofing of various electronic digital products, home appliance processing and assembly.
- ◆ Construction industry: glass curtain wall, door and window assembly, elevator, etc. provide super strong adhesion and dustproof sealing, and provide heat insulation, connection, binding, waterproof, repair, sealing, etc. for building construction.
- ◆ Advertising industry: Various advertisements, street signs, sign nameplates, nameplates, label bonding, etc. are fixed.

## Property

Product Code	PLA3025	PLA3040	PLA3050	PLA3064	PLA3080	PLA30100	PLA30110	PLA30120	PLA30150
Technical Parameters									
Color	Grey, Black, White	Grey, Black, White	Transparent	Grey, Black, White	Grey, Black, White	Transparent	White	Grey, Black	Grey, Black
Total Thickness[mm]	0.25	0.4	0.5	0.64	0.8	1	1.1	1.2	1.5
Adhesive	Acrylic								
180°Peel Strength[N/inch]	30	40	45	45	50	55	55	55	60
Ring Initial Tack[N/inch]	30	30	40	40	45	50	50	50	55
Retentivity[hour]	> 24								
Long-Term Temperature Resistance [°C]	120								
Short-Term Temperature Resistance [°C]	160								



## Introduction

Double Sided PE Foam Tape is made of PE foam as the base material, double-sided coated with high-performance acrylic pressure-sensitive adhesive, and composite release film/release paper. It has excellent weather resistance, chemical resistance, cushioning, sealing and superior adhesion.

## Application

- ♦ Electronic industry: mobile phones, computers, digital cameras, mechanical panels, membrane switches, AR glasses.
- ♦ Automobile industry: Appearance decorative strips, auto parts, auto logos, auto ornaments.
- ♦ Home furnishing industry: hooks, furniture, toys, handicrafts.

## Property

Product Code	P3910	P3920	P3930	P3950	P3980	P39100	P39120	P39150	P39200	P39300
Technical Parameters										
Color	Grey, Black, White									
Total Thickness[mm]	0.1	0.2	0.3	0.5	0.8	1	1.2	1.5	2	3
Backing	PE Foam									
Adhesive	Acrylic									
180°Peel Strength[N/inch]	16	16	16	16	18	18	18	20	20	20
Retentivity[hour]	>24									
Long-Term Temperature Resistance [°C]	40									
Short-Term Temperature Resistance [°C]	60									



## Introduction

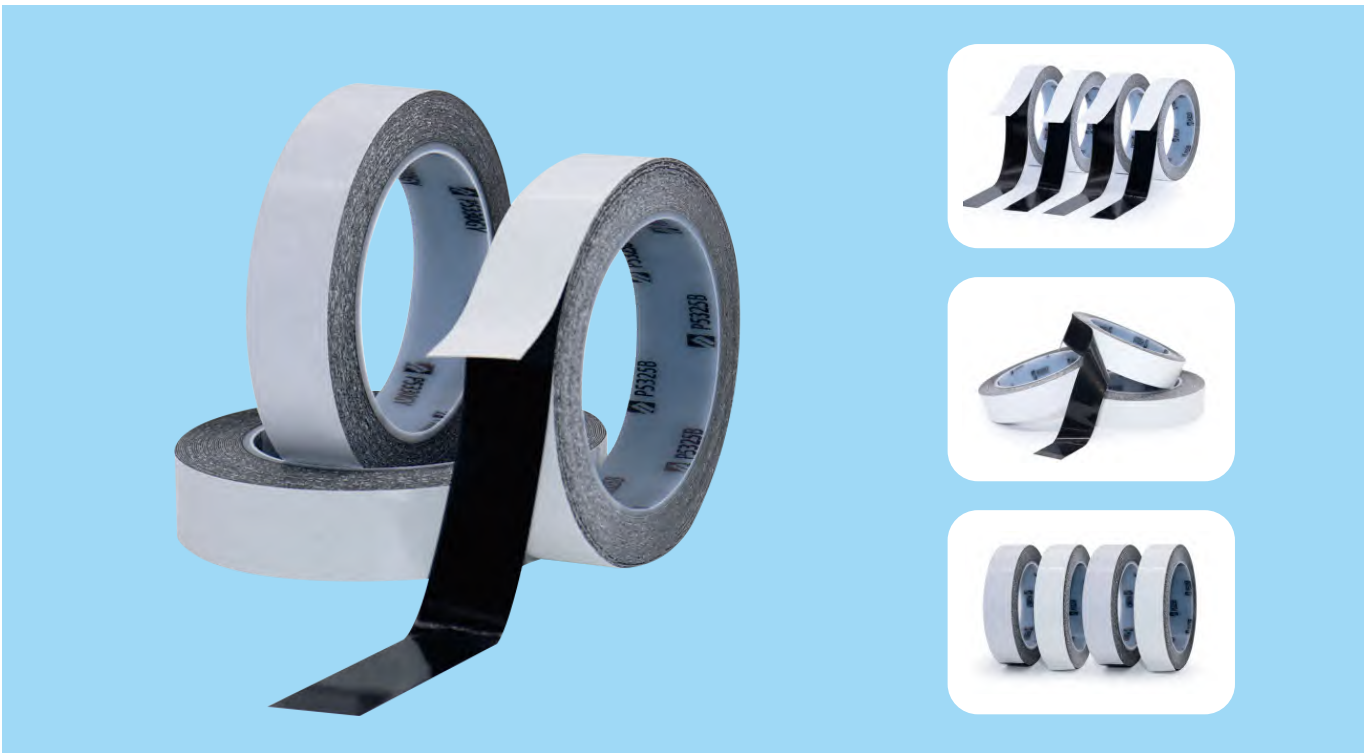
Double Sided EVA Foam Tape is made of EVA foam as the base material, double-sided coated high-performance acrylic pressure-sensitive adhesive, and composite release film/release paper. It has excellent weather resistance, chemical resistance, cushioning, sealing and superior adhesion.

## Application

- ♦ Electronic industry: mobile phones, computers, digital cameras, mechanical panels, membrane switches, AR glasses.
- ♦ Automobile industry: Appearance decorative strips, auto parts, auto logos, auto ornaments.
- ♦ Home furnishing industry: hooks, furniture, toys, handicrafts.

## Property

Product Code	P5130	P5150	P5180	P51100	P51120	P51150	P51200	P51300
Technical Parameters								
Color	Grey, Black, White							
Total Thickness[mm]	0.3	0.5	0.8	1	1.2	1.5	2	3
Backing	EVA Foam							
Adhesive	Acrylic							
180°Peel Strength[N/inch]	16	16	18	18	16	20	20	20
Retentivity[hour]	>24							
Long-Term Temperature Resistance [°C]	40							
Short-Term Temperature Resistance [°C]	60							



## Introduction

Waterproof foam tape is made of high-strength closed-cell waterproof foam as the base material, coated with acrylic pressure-sensitive adhesive up and down to form a three-layer structure adhesive layer, and then covered with release film or release paper. It has super waterproof, dustproof, shockproof, cushioning, solvent resistance and excellent weather resistance.

## Application

- ◆ Bonding and fixing the panels of electronic products such as mobile phones and PADs.
- ◆ Bonding and fixing the internal parts of electronic products.
- ◆ Products with high waterproof requirements such as telephones and watches.

## Property

Product Code	Total Thickness[mm]	Backing	Adhesive	180°Peel Strength [N/inch]	Retentivity [hour]	Long-Term Temperature Resistance [°C]	Short-Term Temperature Resistance [°C]
P5315B	0.15	Black Waterproof Foam	Acrylic	16	>24	80	100
P5320B	0.2			16	>24	80	100
P5325B	0.25			18	>24	80	100
P5330B	0.3			18	>24	80	100
P5340B	0.4			16	>24	80	100
P5315GY	0.15	Grey Black PE Foam		17	>24	80	100
P5320GY	0.2			18	>24	80	100
P5325GY	0.25			18	>24	80	1001
P5340GY	0.4			18	>24	80	100
P5350GY	0.5			18	>24	80	100
P5330BT	0.3	Foam+PET		17	>24	80	100
P5340BT	0.4			18	>24	80	100
P5310S	0.1	High Performance Foam		15	>24	80	100
P5320S	0.2			16	>24	80	100
P5330S	0.3			17	>24	80	100
P5350S	0.5		18	>24	80	100	





**Introduction**

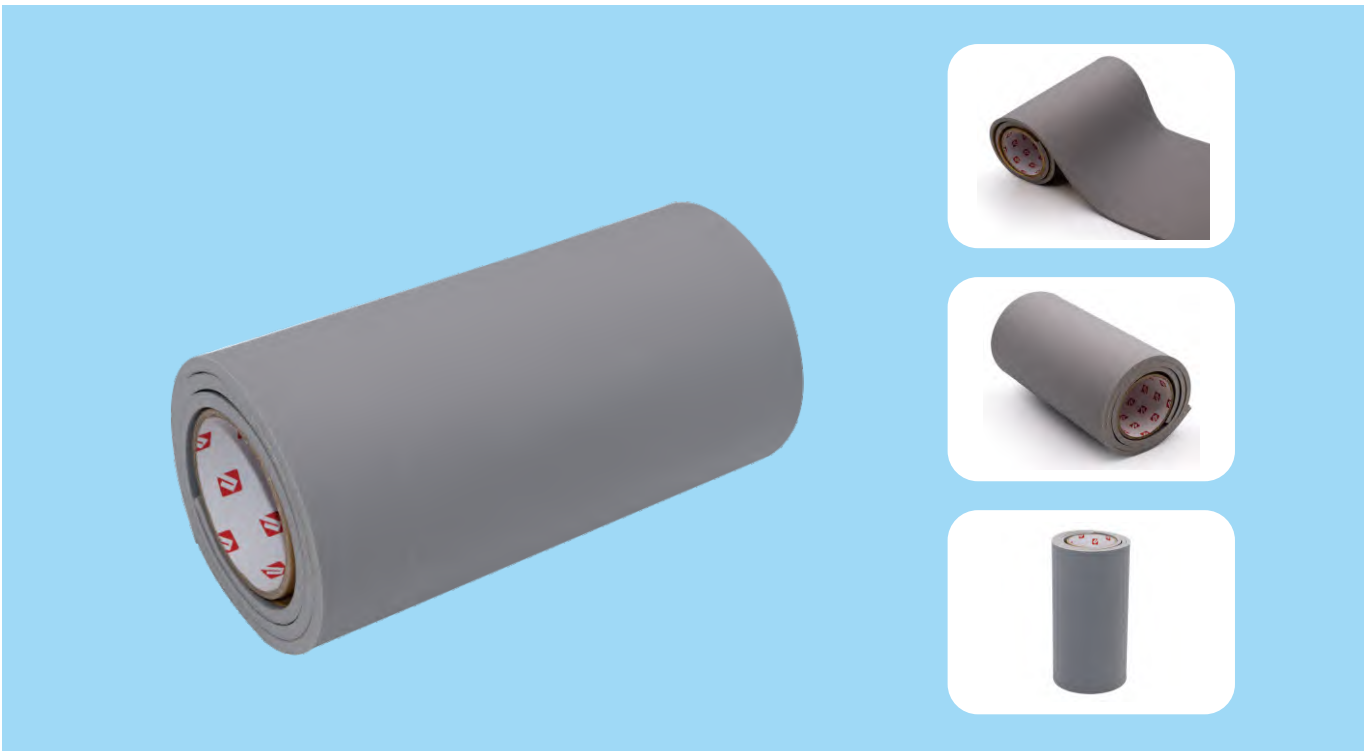
PU foam is made of polyurethane as the main component. After physical foaming, low-density formula and special surface treatment technology are used to achieve functional foam with good sealing and shockproof performance and scratch resistance. It has excellent sealing performance and can avoid gas release and atomization; it can resist compression deformation, that is, the elasticity is durable, which can ensure long-term shockproof protection for accessories; it does not contain harmful substances, does not leave residues, and will not pollute equipment. Not corrosive to metals.

**Application**

- ◆ Use PU foam as the base material to laminate acrylic glue on one or both sides.
- ◆ Panel interlayer: prevent loosening, prevent impact noise, and prevent adhesion.
- ◆ Around the LED: prevent light leakage, absorb impact, and improve airtightness.
- ◆ PCB lower periphery: shock absorption, vibration absorption, gap filling, heat insulation effect.
- ◆ Keyboard gasket: rebound, no pollution, good dimensional stability.
- ◆ Around the battery: no pollution, absorb impact sound, and improve air tightness.
- ◆ Foot pad: good friction, no pollution, good dimensional stability.
- ◆ Disk drive tail pad: absorb shock, prevent impact noise, and improve air tightness.
- ◆ Friction gasket: good friction, no pollution, good dimensional stability.
- ◆ Disk cover cushion: absorb vibration, block motor noise, shockproof, and improve air tightness.
- ◆ Around the speaker: prevent noise and fill the gap.

**Property**

Product Code	P5220	P5230	P5240	P5250	P5260	P5270	P5280	P52100	P52120	P52150	P52200
Color	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
Total Thickness[mm]	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1	1.2	1.5	2
Density[g/cm <sup>3</sup> ]	0.6	0.38	0.3	0.26	0.26	0.24	0.24	0.24	0.24	0.24	0.24
Compression set[%max]	3	3	3	3	3	3	3	3	3	3	3
Compression deflection[KPa]	28	18	12	10	10	8	8	8	8	8	7
Best compression ratio[%]	25	45	48	55	55	55	55	58	58	58	58
Maximum compression ratio[%]	35	55	59	75	75	75	75	78	78	78	80
Anti-UV	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Ozone resistance	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Corrosion resistance	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass



**Introduction**

Silicone foam is a new type of high resilience, low density organic silicone material. It has excellent elasticity and small stress relaxation characteristics, which can reduce the maintenance cost caused by gasket failure due to large compression deformation and softening, anti-ultraviolet, anti-ozone, extreme temperature resistance and flame retardancy, making the material keep in various environments Stable performance, tight fine cell structure and unique formula provide stronger sealing ability, can effectively prevent tiny particles and rain, high heat insulation and electrical insulation, cold resistance, heat resistance and flame retardancy.

**Application**

- ◆ The frame of the battery pack module and the external packaging equipment is heat-insulated, sealed and waterproof at high temperature.
- ◆ Environmental sealing, dustproof, moistureproof, airtight or shading of outdoor equipment such as lighting, HVAC equipment and electrical control cabinets.
- ◆ Vibration isolation in electronic equipment and vehicles.
- ◆ High-speed railway shock absorption, sealing, buffering and noise reduction.
- ◆ Indoor and outdoor waterproof and flame retardant, small household water lines and various products that require heat insulation, sound insulation and anti-static

**Property**

Technical Parameters	Product Code	P57100	P57500	P571000	P571500	P572000
Color		Red, Black, Grey	Red, Black, Grey	Red, Black, Grey	Red, Black, Grey	Red, Black, Grey
Total Thickness[mm]		1	5	10	15	20
Density[lb/ft]		31.6	31.6	31.6	31.6	31.6
Compression Deformation Force		103	103	103	103	103
Pressure Deflection[psi(kpa)]		9.0 ( 62.0 )	9.0 ( 62.0 )	9.0 ( 62.0 )	9.0 ( 62.0 )	9.0 ( 62.0 )
Tensile Strength[psi(kpa)]		45 ( 310 )	45 ( 310 )	45 ( 310 )	45 ( 310 )	45 ( 310 )
Elongation[%]		80	80	80	80	80
Electric strength		4.6	4.6	4.6	4.6	4.6
Hardness[SHORE A]		15-35	15-35	15-35	15-35	15-35
Flame Retardant		V-0	V-0	V-0	V-0	V-0
Water Absorption[%]		1.4	1.4	1.4	1.4	1.4
Dielectric Constant		1.42	1.42	1.42	1.42	1.42
Dielectric Strength[Volts/mil]		91	91	91	91	91
Volume Resistivity[Ohm-cm]		92	92	92	92	92
Thermal Conductivity[BTU in/hr/ft <sup>2</sup> °f(w/m <sup>2</sup> k)]		0.63(0.09)	0.63(0.09)	0.63(0.09)	0.63(0.09)	0.63(0.09)
Long-Term Temperature Resistance [°C]		220	220	220	220	220
Short-Term Temperature Resistance [°C]		250	250	250	250	250



**Introduction**

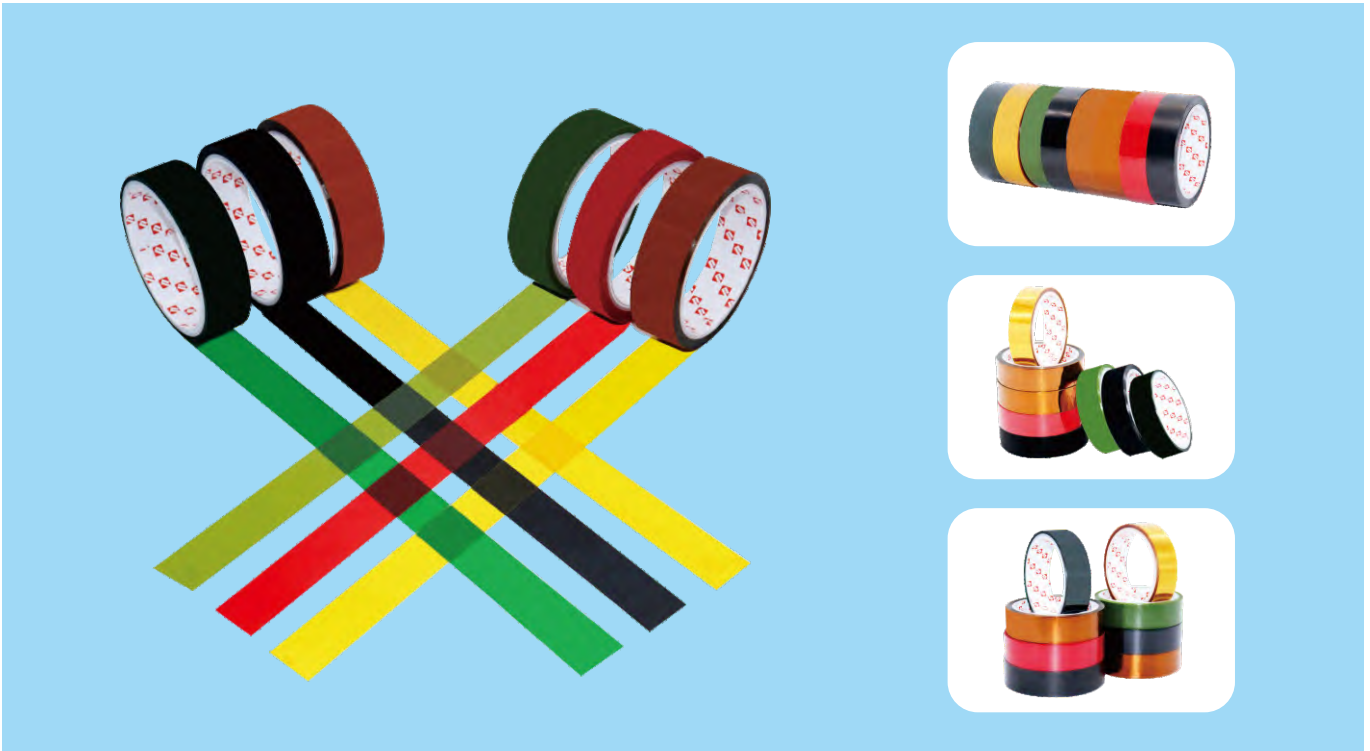
Aerogel foam is a kind of fireproof material with high porosity and three-dimensional grid structure. It has the characteristics of fire and flame retardant, thermal insulation, cushioning and shock absorption, sound insulation and noise reduction.

**Application**

Smart electronics industry; new energy batteries; automobiles and ships.

**Property**

Product Code	P85100	P85150	P85200
<b>Technical Parameters</b>			
Color	White	White	White
Total Thickness[mm]	1	1.5	2
Material	Aerogel Foam	Aerogel Foam	Aerogel Foam
Thermal Conductivity W/ ( m·k )	0.018 ~ 0.022	0.018 ~ 0.022	0.018 ~ 0.022
Flame Resistance	V-0	V-0	V-0
Volume Resistivity[Ω·cm]	≥ 1.0×10 <sup>13</sup>	≥ 1.0×10 <sup>13</sup>	≥ 1.0×10 <sup>13</sup>
Long-Term Temperature Resistance [°C]	-40 ~ 220	-40 ~ 220	-40 ~ 220
Short-Term Temperature Resistance [°C]	-60 ~ 240	-60 ~ 240	-60 ~ 240



## Introduction

Polyimide tape, polyimide film as a substrate, coated on high-performance silicone pressure-sensitive adhesive. It has excellent insulation, Breakdown Voltage resistance, 260 °C high temperature resistance and other characteristics.

## Application

- ◆ High -temperature insulation wrapped around the electronic industry transformers, motors, coils, capacitors, and frequency conversion power suppliers.
- ◆ Suitable for covering and protection during printing line boards (PCB), SMT tin furnaces, and peak welding.
- ◆ High -end electrical insulation protection and lithium battery positive&negative poles.
- ◆ Anti -welding protection.
- ◆ The lithium battery manufacturing is bundled.

## Property

Product Code	P0103	P0104	P0106	P01065	P0107	P0108	P0110	P0112	P0115	P0106A	P0106E
Technical Parameters											
Color	Gold , Black, Red, Green, Transparent										
Total Thickness [mm]	0.03	0.04	0.06	0.065	0.07	0.08	0.1	0.12	0.15	0.06	0.06
Backing Thickness[mm]	0.0125	0.025	0.025	0.025	0.025	0.025	0.05	0.075	0.1	0.025	0.025
Backing	PI	PI	PI	PI	PI	PI	PI	PI	PI	PI	PI
Adhesive	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	丙烯酸酯	Silicone
180°Peel Strength[N/inch]	4	4	5	6	6	5	6	6	7	7	5
Tensile Strength[kg/25mm]	10	10	10	10	10	20	20	28	36	10	10
Elongation At Break[%]	30	45	45	45	45	55	55	60	70	45	45
Breakdown Voltage[KV]	2.5	5	5	5	5	7	7	9	10.5	5	5
Long-Term Temperature Resistance [°C]	260	260	260	260	260	260	260	260	260	100	260
Short-Term Temperature Resistance [°C]	280	280	280	280	280	280	280	280	280	150	280



## Introduction

Double sided kapton tape is based on polyimide film, coated with high-performance silicone pressure-sensitive adhesive on both sides, and then laminated on both sides by single-sided fluoroplastic release film or double-sided fluoroplastic release film on one side Composite made. It has high coating accuracy ( $\pm 2.5\mu\text{m}$ ), no scratches, wire drawing and other phenomena on the appearance, good shear performance, easy punching die-cutting processing, excellent high temperature resistance and solvent resistance.

## Application

- ◆ Printed circuit board (PCB), SMT tin furnace, shielding protection during wave soldering.
- ◆ Insulation protection of high-grade electrical appliances and fixing of positive&negative poles of lithium batteries.
- ◆ Solder protection.

## Property

Product Code	P120-50DS	P205-75DS	P205-100DS	P705-150DS	P505-200DS	P709-200DS
Technical Parameters						
Color	Gold , Black, Red, Green, Transparent					
Total Thickness[mm]	0.05	0.075	0.1	0.15	0.2	0.2
Backing Thickness[mm]	0.012	0.025	0.025	0.075	0.05	0.075
Backing	PI	PI	PI	PI	PI	PI
Adhesive	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
180°Peel Strength[N/inch]	A $\geq$ 6.5 , B $\geq$ 6	A $\geq$ 6.5 , B $\geq$ 6	A $\geq$ 10 , B $\geq$ 9	A $\geq$ 10 , B $\geq$ 9	A $\geq$ 11 , B $\geq$ 10	A $\geq$ 11 , B $\geq$ 8
Tensile Strength[kg/25mm]	10	10	10	28	20	28
Elongation At Break[%]	30	45	45	60	60	60
Breakdown Voltage[KV]	2.5	5	5	9	5	9
Long-Term Temperature Resistance [°C]	260	260	260	260	260	260
Short-Term Temperature Resistance [°C]	280	280	280	280	280	280



### Introduction

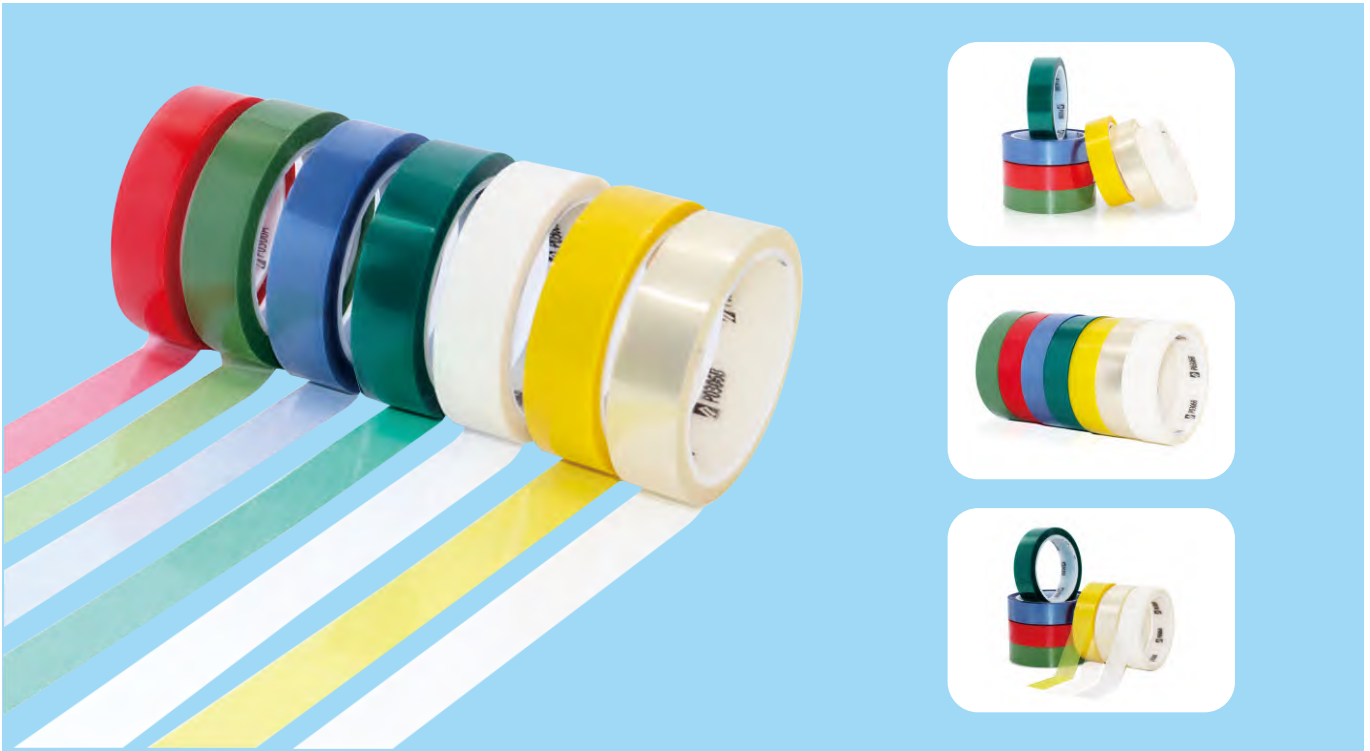
Teflon tape is made of polytetrafluoroethylene impregnated glass fiber cloth or pure polytetrafluoroethylene as raw material, then coated with silicone pressure-sensitive adhesive, and processed by special process. It has high lubricity, excellent insulation, anti-light, anti-oxidation, good surface anti-sticking, wear resistance, chemical resistance, pressure resistance, corrosion resistance, microwave resistance, high temperature resistance, friction resistance, firm adhesion without degumming, Uniform texture and other characteristics.

### Application

- ◆ Coating of various high-temperature rollers, heating rehabilitative, demoulding work.
- ◆ Heat sealing of food, medicine and plastic bags.
- ◆ It can be used for padding of chute, hopper, aviation mold, etc. It can also be applied to the drum of sizing machine, thermoplastic mold release and other industries. It can be used repeatedly and is easy to replace.
- ◆ Suitable for other surface treatments that require anti-sticking, corrosion resistance and high temperature resistance.
- ◆ Used in packaging, thermoplastic, composite, sealing heat sealing, electronic and electrical industries.

### Property

Product Code	P0213	P0218	P0225	P0230	P0208P	P0213P	P0218P	P0225P
Technical Parameters								
Color	Brown/Black/creamy-white	Brown/Black	Brown/Black	Brown/Black	Grey	Grey	Grey	Grey
Total Thickness[mm]	0.13	0.18	0.25	0.3	0.08	0.13	0.18	0.25
Backing Thickness[mm]	0.08	0.13	0.18	0.25	0.05	0.08	0.13	0.18
Backing	Teflon Fiberglass Cloth				Teflon Film			
Adhesive	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
180°Peel Strength[N/100mm]	21	22	24	24	23	24	24	24
Tensile Strength[N/100mm]	900	1300	1950	2250	900	1250	1650	2350
Long-Term Temperature Resistance [°C]	-70 ~ 260	-70 ~ 260	-70 ~ 260	-70 ~ 260	-70 ~ 260	-70 ~ 260	-70 ~ 260	-70 ~ 260
Short-Term Temperature Resistance [°C]	-70 ~ 300	-70 ~ 300	-70 ~ 300	-70 ~ 300	-70 ~ 300	-70 ~ 300	-70 ~ 300	-70 ~ 300



## Introduction

It has the characteristics of high temperature resistance, not easy to break when connecting, high adhesion, soft and appropriate, no glue residue after tearing off, acid and alkali resistance, corrosion resistance, and leakage prevention.

## Application

- ◆ Household appliances, machinery, automobile painting and other industries need high-temperature coating and spray paint protection, high-temperature binding and fixing
- ◆ Manufacturing application of aluminum base copper clad laminate
- ◆ PCB circuit board gold plating and solder protection
- ◆ LED potting protection
- ◆ Electronic product manufacturing shielding protection and insulation

## Property

Product Code	P0306	P0306A	P0306B	P0307	P0308	P0309	P0309S	P0312	P0315	P0306E	P0310GDS
Technical Parameters											
Color	Green, Brown, Transparent, Light Yellow, Dark Yellow, White, Black, Red, Blue (Customizable)										
Total Thickness[mm]	0.06	0.055	0.06	0.07	0.08	0.09	0.095	0.12	0.15	0.06	0.1
Backing Thickness[mm]	0.025	0.038	0.038	0.025	0.05	0.05	0.025	0.075	0.1	0.025	0.025
Backing	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET
Adhesive	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
180°Peel Strength[N/inch]	8	8	8	8	7.5	10	8	11	10	6	A>1000 B>1100
Tensile Strength[N/inch]	135	150	150	150	150	150	150	175	200	135	135
Elongation At Break[%]	70	70	70	70	70	70	70	70	70	70	70
Long-Term Temperature Resistance [°C]	180	180	180	180	180	180	180	180	180	180	180
Short-Term Temperature Resistance [°C]	200	200	200	200	200	200	200	200	200	200	200



**Introduction**

It has the characteristics of high temperature resistance, high Breakdown Voltage resistance, strong adhesion, high Tensile Strength, and good insulation.

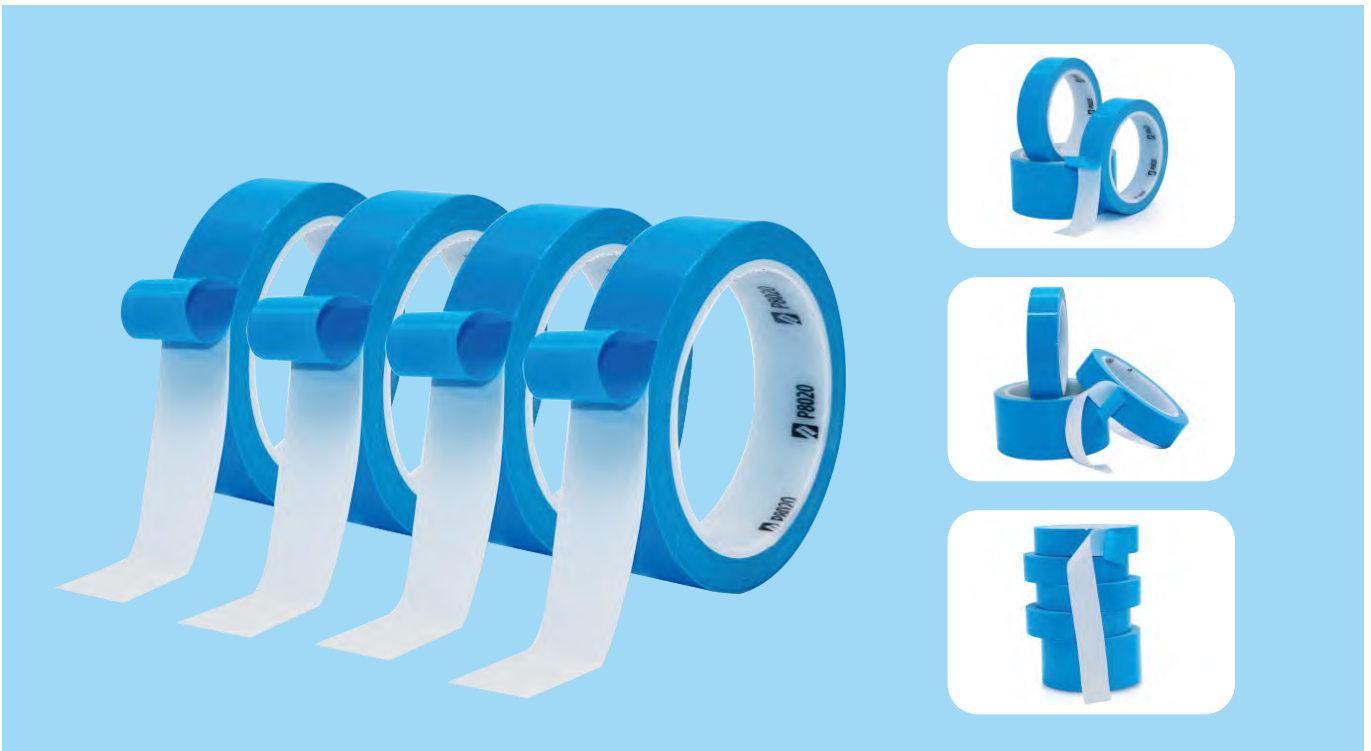
**Application**

- ◆ Class H heat-resistant insulation binding.
- ◆ High-strength insulation protection such as high-temperature sandblasting protection and lithium-manganese battery insulation wrapping.
- ◆ Insulation, binding and permanent protection of coils, motors and transformers.
- ◆ Heavy load, high temperature equipment or air conditioner contactor.
- ◆ Surface protection in powder coating.
- ◆ Repair and strengthen insulation of mine equipment.

**Property**

Product Code	P0801	P0802	P0818	P0820	P0823	P0828
<b>Technical Parameters</b>						
Color	White	White	White	White	White	White
Total Thickness[mm]	0.18	0.18	0.18	0.2	0.23	0.28
Backing Thickness[mm]	0.13	0.13	0.13	0.13	0.13	0.13
Backing	Fiberglass cloth					
Adhesive	Silicone	Acrylic	Silicone	Silicone	Silicone	Silicone
Release Film	/	/	/	/	PET	PVC
180°Peel Strength[N/inch]	9	5	6	5.5	A : 10 B : 10	A : 11 B : 3
Tensile Strength[kg/25mm]	380	250	300	280	400	340
Elongation At Break[%]	5	5	5.7	4	7	4
Breakdown Voltage[KV]	3	2	3	3	3	3
Insulation Resistance[Ω]	>1×10 <sup>12</sup>	>1×10 <sup>12</sup>	>1×10 <sup>12</sup>	>1×10 <sup>12</sup>	>1×10 <sup>12</sup>	>1×10 <sup>12</sup>
Long-Term Temperature Resistance [°C]	200	120	200	200	200	200
Short-Term Temperature Resistance [°C]	260	155	260	260	260	260
Flame Resistance	/	/	UL-510	/	/	/





## Introduction

Glass fiber thermal tape is made of glass fiber cloth as the base material and coated with high thermal conductivity acrylic adhesive. It has high thermal conductivity, good temperature resistance, good adhesion, and good insulation performance.

## Application

- ◆ Fix the CPU and heat sink or heat sink.
- ◆ Fix the LED strip, substrate and frame.
- ◆ Fix the electronic components and heat sink.

## Property

Product Code	P8010	P8015	P8020	P8025	P8030	P8035	P8040	P8050	P8070
Technical Parameters									
Color	White	White	White	White	White	White	White	White	White
Total Thickness[mm]	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.5	0.7
Backing Thickness[mm]	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Backing	Glass Fiber								
Adhesive	Acrylic								
180°Peel Strength[N/inch]	1.2	1.2	1.5	1.5	1.5	1.5	1.8	1.8	2
Initial Adhesion[#]	2	2	2	2	3	3	3	3	3
Thermal Conductivity[W/mk]	0.3~0.8								
Long-Term Temperature Resistance [°C]	80								
Short-Term Temperature Resistance [°C]	120								



## Introduction

Thermally Conductive Transfer Tape is a white adhesive film made of special high-performance acrylic pressure-sensitive adhesive, and then covered with a release film.

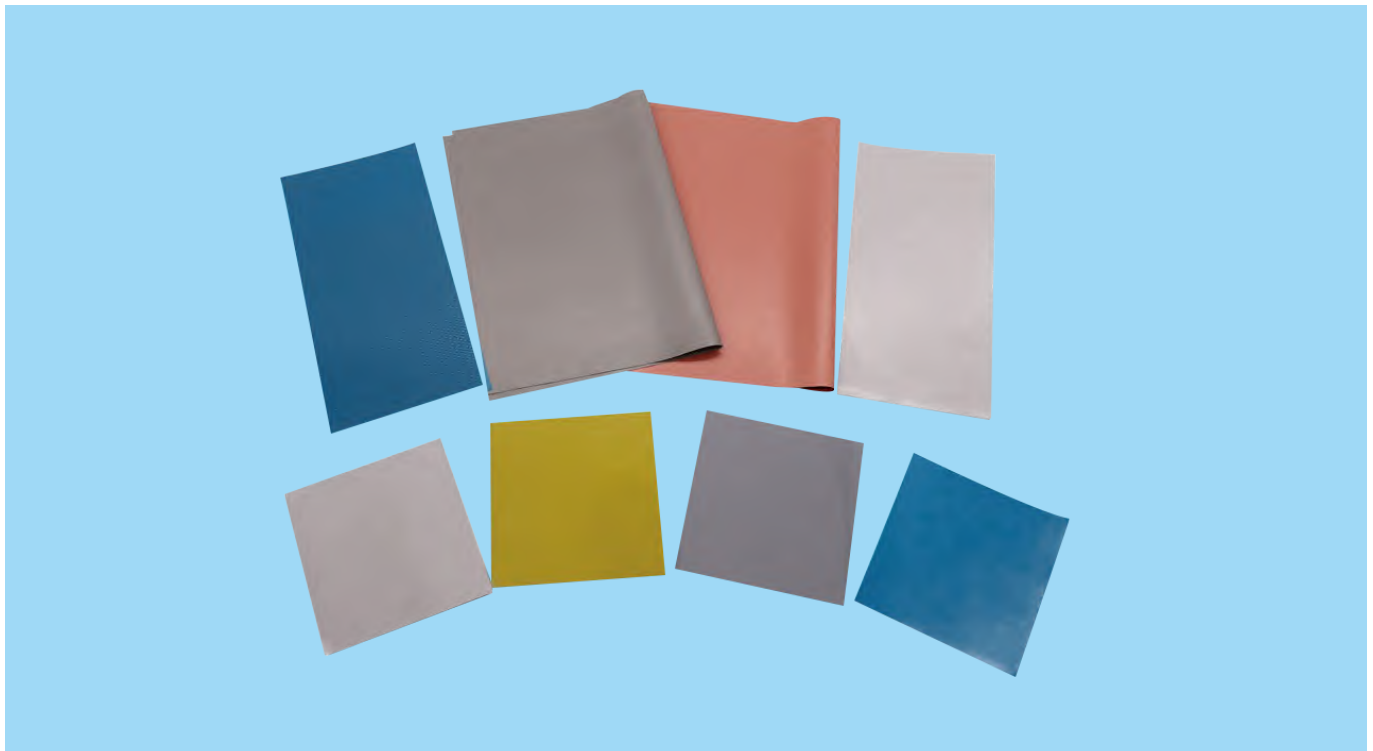
It has the characteristics of high thermal conductivity, high insulation, excellent flexibility, conformability, and good initial adhesion.

## Application

- ◆ Fix the CPU and heat sink or heat sink.
- ◆ Fix the LED strip, substrate and frame.
- ◆ Fix the electronic components and heat sink.

## Property

Product Code	P8105	P8110	P8115	P8120	P8125	P8130	P8138	P8140	P8150
Technical Parameters									
Color	White	White	White	White	White	White	White	White	White
Total Thickness[mm]	0.05	0.1	0.15	0.2	0.25	0.3	0.38	0.4	0.5
Adhesive	Acrylic								
180°Peel Strength[N/inch]	12	12	12	15	15	18	18	18	18
Initial Adhesion[#]	2	3	4	4	4	4	4	4	4
Retentivity [hour]	48								
Thermal Conductivity[W/mk]	0.3~0.8								
Long-Term Temperature Resistance [°C]	80								
Short-Term Temperature Resistance [°C]	120								



## Introduction

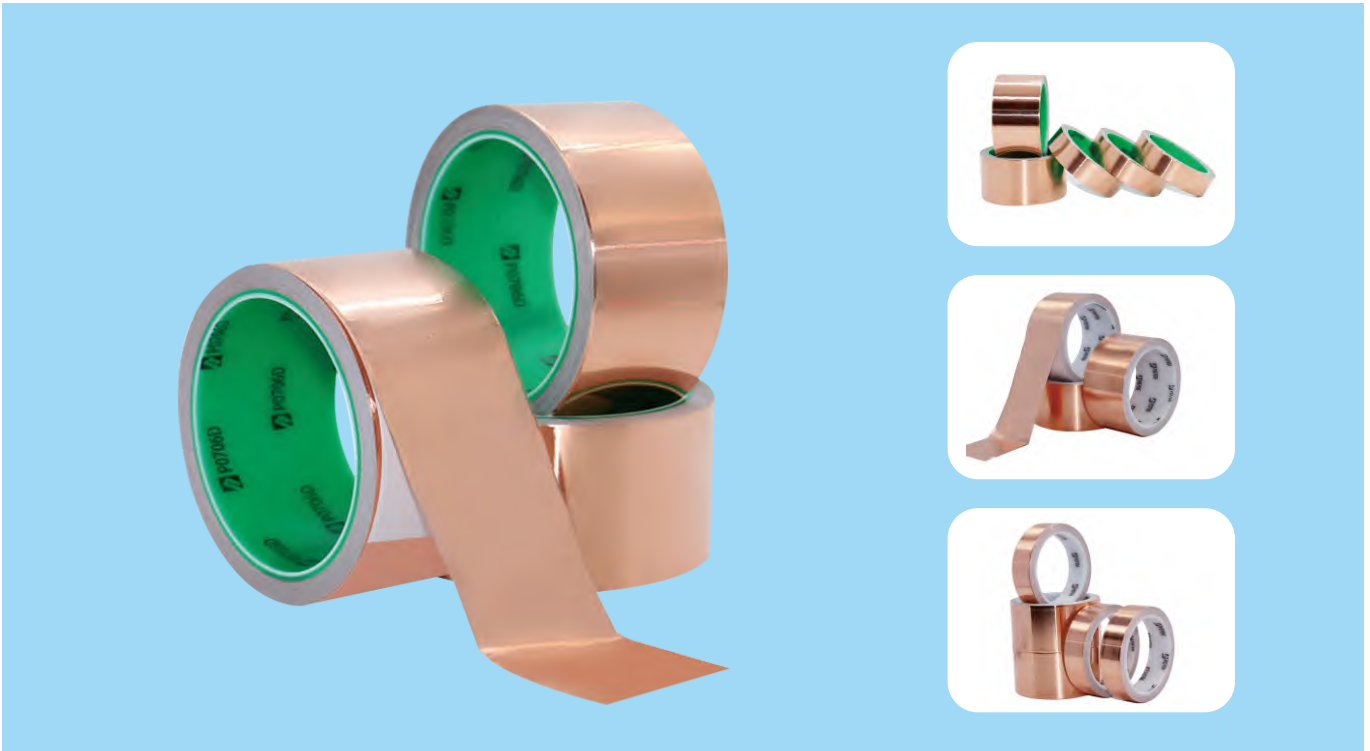
Thermally conductive silicone pad is a kind of thermally conductive medium, which is used to reduce the contact thermal resistance between the surface of the heat source and the contact surface of the heat dissipation device. It is specially produced for the design scheme of using the gap to transfer heat. It can fill the gap and complete the gap between the heating part and the heat dissipation part. Excellent heat transfer, the product can be cut arbitrarily, which is conducive to automatic production and product maintenance. It has high thermal conductivity, excellent gap filling properties, high electrical insulation, flame retardancy, flexibility, compressibility.

## Application

Power supply module, LCD, LED, between graphics card and radiator, network equipment, high-speed memory storage module.

## Property

Product Code	P82120	P82200	P82300	P82400	P82500	P82600	P82100T	P82100
Color	Grayish White	Blue	Dark Blue/Black	Khaki	Dark Red	Purple Blue	White+Pink Cloth	Grey/Blue/Pink
Total Thickness[mm]	0.3 ~ 12	0.3 ~ 12	0.3 ~ 12	0.3 ~ 6	0.3 ~ 6	0.3 ~ 6	0.2 ~ 6	0.2/0.3/0.45
Hardness[Shore C]	10 ~ 40	10 ~ 40	18/25/40	18/35	18/35	18/35	10-40	75
Proportion[g/cm <sup>3</sup> ]	2	2.3	2.7	3.1	3.3	3.5	2.3	2.1
Tensile Strength[KN/m]	3.5	3.3	3.2	3.2	3.1	3.1	8.3	8.5
Thermal Conductivity[W/mk]	1.2	2	3	4	5	6	1	1
Breakdown Voltage[KV]	≥4						≥6	≥4
Dielectric Constant[@1MHz]	7.15						3.55	3.12
Volume Resistivity[Ω.cm]	1.1×10 <sup>16</sup>							
Temperature Resistance [°C]	-40 ~ 200							
Flame Resistance	UL-94 V-0							



**Introduction**

Copper foil tape is a single-conductive copper foil tape coated with acrylic adhesive, based on high-performance copper foil. According to the different conductive properties of the glue, it can be divided into single-conductive copper foil single-sided adhesive, double-conductive copper foil single-sided adhesive, double-conductive copper foil double-sided adhesive, and single-conductive copper foil double-sided adhesive. It has good electrical conductivity, shading, temperature resistance and shielding properties.

**Application**

Widely used in precision electronic products, computers, mobile phones, wires, cables, transformers and other electronic and electrical products, mainly to shield or isolate the interference of electromagnetic waves or radio waves during high-frequency transmission, and to dissipate heat from heating parts of products.

**Property**

Product Code	P0703	P07038	P07045	P0705	P0706	P0707	P0709	P0710	P0712	P0715
<b>Technical Parameters</b>										
Color	Copper									
Total Thickness[mm]	0.03	0.038	0.045	0.05	0.06	0.07	0.09	0.1	0.12	0.15
Backing Thickness[mm]	0.009	0.018	0.035	0.018	0.025	0.035	0.05	0.05	0.075	0.1
Backing	Copper foil									
Adhesive	Acrylic									
180°Peel Strength[N/inch]	8	10	10	10	12	12	12	12	15	15
Initial Adhesion[#]	2	2	2	2	2	3	3	3	3	3
Retentivity [hour]	48									
Surface Resistance[mΩ]	50									
Long-Term Temperature Resistance [°C]	80									
Short-Term Temperature Resistance [°C]	120									



## Introduction

Nano carbon copper foil tape is a functional thermal tape with high-performance heat-conducting copper foil as backing, compounded with nano-carbon on the surface, and then coated with acrylic adhesive.

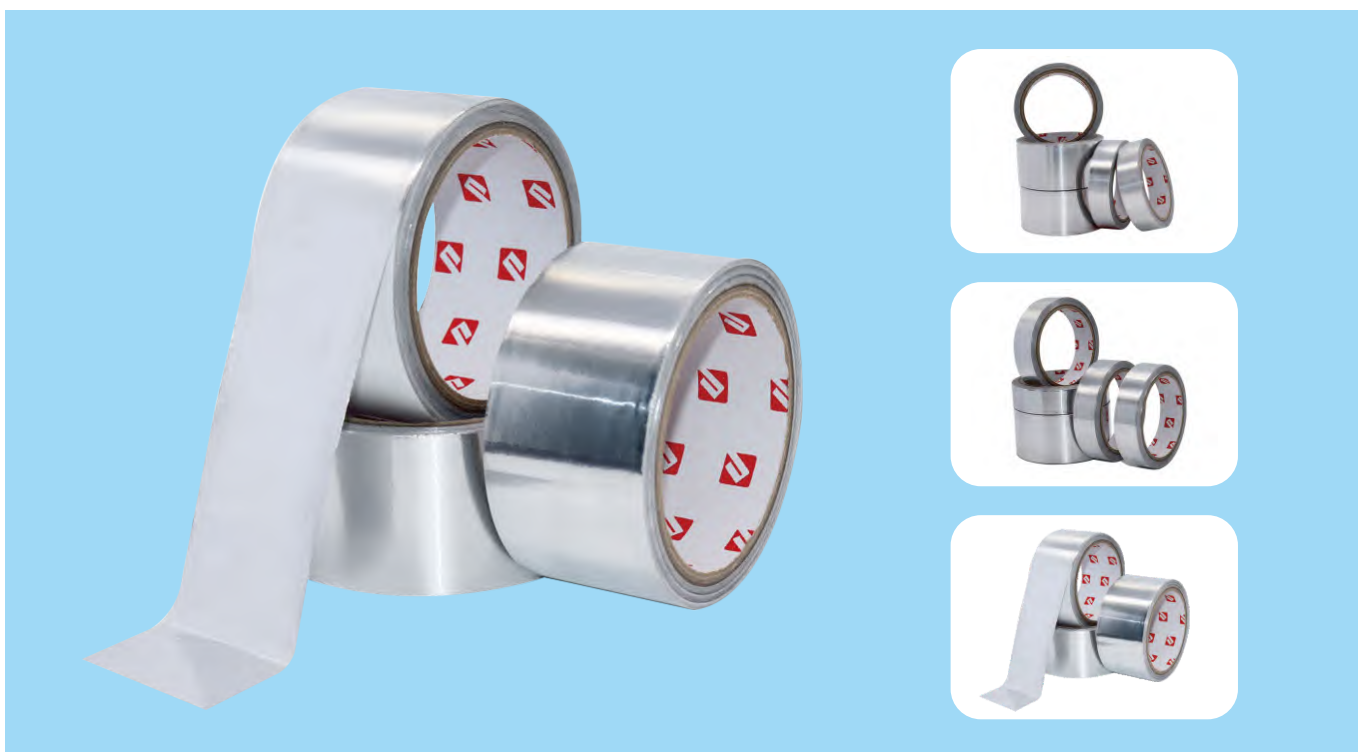
It has the characteristics of high thermal conductivity, electrical conductivity, shielding, flexibility, machinability, and high temperature resistance.

## Application

Widely used in smartphones, notebooks, tablet computers, LED lighting and many other fields that require heat dissipation.

## Property

Product Code	P1503	P1505	P1506	P1508	P1510	P1511	P1512	P1515
<b>Technical Parameters</b>								
Color	Black	Black	Black	Black	Black	Black	Black	Black
Total Thickness[mm]	0.03	0.05	0.06	0.08	0.1	0.11	0.12	0.15
Backing Thickness[mm]	0.009	0.02	0.03	0.035	0.05	0.07	0.07	0.07
Backing	Nano carbon copper foil							
Adhesive	Acrylic							
180°Peel Strength[N/inch]	10	10	12	12	12	12	12	12
Initial Adhesion[#]	2	2	3	3	3	3	3	3
Retentivity [hour]	48							
Long-Term Temperature Resistance [°C]	80							
Short-Term Temperature Resistance [°C]	120							
Surface Resistance[mΩ]	50							
Base Thermal Conductivity[W/mk]	400							
Composite Thermal Conduction Coefficient [W/mk]								



## Introduction

Aluminum foil tape is based on high-performance aluminum foil, coated with acrylic pressure-sensitive adhesive, and combined with an easy-release liner. According to the different conductivity of the glue, it can be divided into single conductive aluminum foil tape and double conductive aluminum foil tape. It has the characteristics of good electrical conductivity, shielding, heat resistance and high adhesion.

## Application

- ♦ Widely used in refrigerators, air conditioners, automobiles, petrochemicals, bridges, hotels, electronics and other industries.
- ♦ It can be used in places where electromagnetic shielding is required for various electronic products such as PDAs, PDPs, LCD monitors, notebook computers, and copiers.
- ♦ It is used to wrap the steam pipe to prevent the temperature from escaping outward.

## Property

Product Code	P0605	P0606	P0607	P0608	P0610	P0612	P0614	P0615
<b>Technical Parameters</b>								
Color	Silver White							
Total Thickness[mm]	0.05	0.06	0.07	0.08	0.1	0.12	0.14	0.15
Backing Thickness[mm]	0.018	0.025	0.035	0.05	0.05	0.05	0.1	0.1
Backing	Aluminum foil							
Adhesive	Acrylic							
180°Peel Strength[N/inch]	12	12	12	12	12	12	13	15
Retentivity [hour]	12	12	12	12	12	12	12	12
Surface Resistance[mΩ]	50	50	50	50	50	50	50	50
Long-Term Temperature Resistance [°C]	80	80	80	80	80	80	80	80
Short-Term Temperature Resistance [°C]	120	120	120	120	120	120	120	120



## Introduction

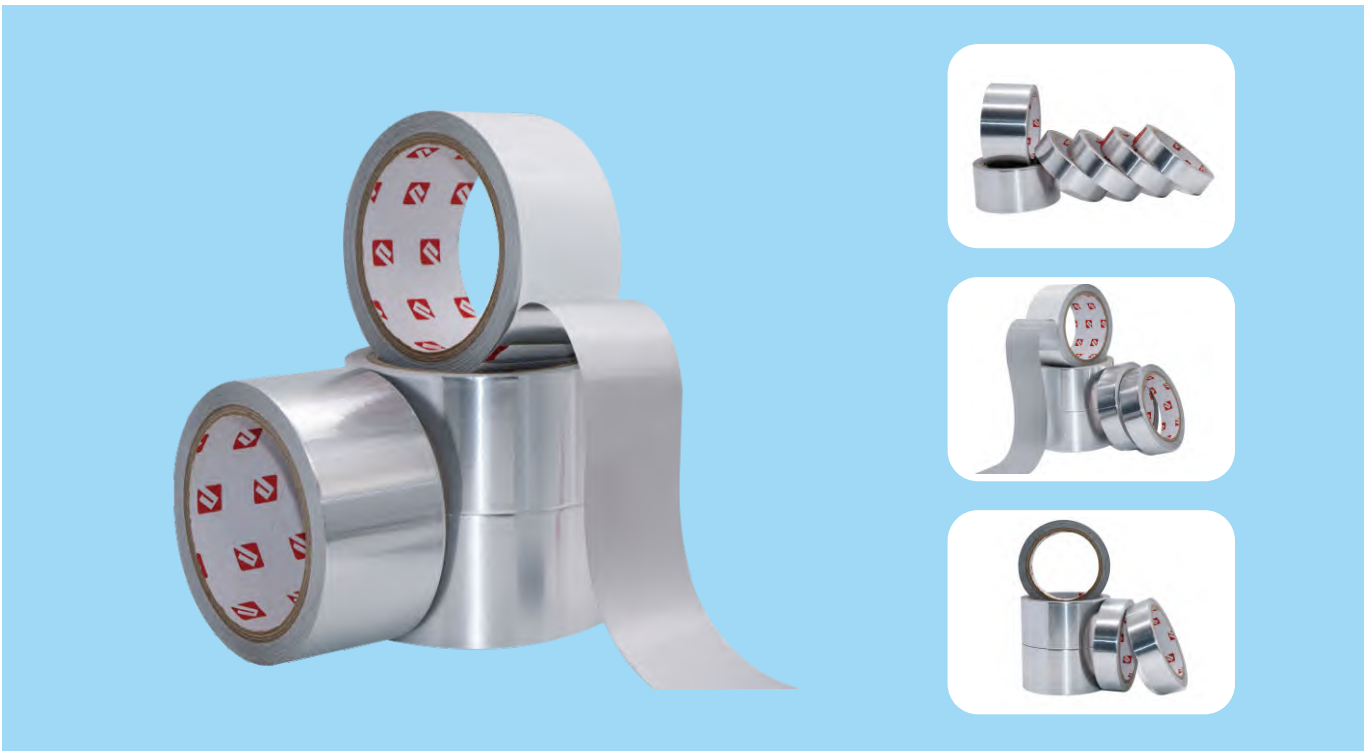
Nano carbon aluminum foil tape is based on high-performance aluminum foil for heat dissipation, The surface is compounded with nano-carbon, and then coated with acrylate functional heat dissipation adhesive. It has good thermal conductivity, shading, temperature resistance and shielding performance.

## Application

Widely used in smartphones, notebooks, tablet computers, LED lighting and many other fields that require heat dissipation.

## Property

Product Code	P1305	P1306	P1307	P13085	P1310	P1313	P1315
<b>Technical Parameters</b>							
Color	Black	Black	Black	Black	Black	Black	Black
Total Thickness[mm]	0.05	0.06	0.07	0.085	0.1	0.13	0.15
Backing Thickness[mm]	0.025	0.025	0.2	0.05	0.05	0.05	0.1
Backing	Nano-Carbon Aluminum Foil						
Adhesive	Acrylic						
180°Peel Strength[N/inch]	10	12	12	12	15	15	15
Initial Adhesion[#]	2	3	3	3	3	3	3
Retentivity [hour]	48						
Long-Term Temperature Resistance [°C]	80						
Short-Term Temperature Resistance [°C]	120						
Base Thermal Conductivity[W/mk]	240						
Composite Thermal Conduction Coefficient [W/mk]	300~600						



## Introduction

P0900Series is based on high performance mylar aluminium foil, Mylar aluminium foil tape coated with conductive Acrylic. It has a high Tensile Strength, non-creaseable, high peel strength, good conductivity, temperature resistance, shading, shielding, dimensional stability

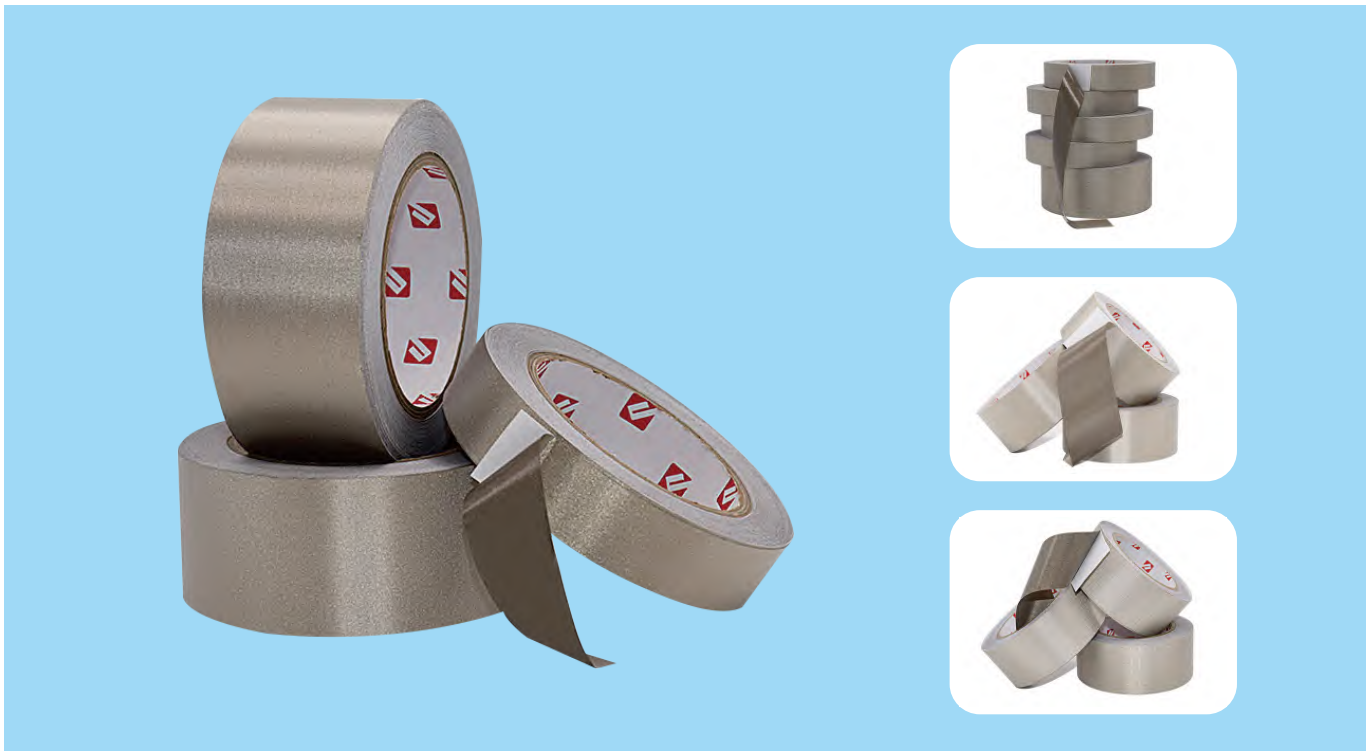
## Application

Packaging for the Wiring cable industry, the Thermal insulation material industry, the automotive insulation industry, the pharmaceutical industry, the air-conditioning hose equipment industry, the electronic battery industry.

## Property

Product Code	P0905	P09055	P0907	P0908	P0909	P0912
Technical Parameters						
Color	Silver White/Black					
Total Thickness[mm]	0.05	0.055	0.07	0.08	0.09	0.12
Backing Thickness[mm]	0.02	0.025	0.038	0.05	0.05	0.075
Backing	Mylar Aluminium Foil					
Adhesive	Acrylic					
180°Peel Strength[N/inch]	10	12	12	12	12	15
Retentivity[hour]	12	12	12	12	12	24
Surface Resistance[mΩ]	50	50	50	50	50	50
Long-Term Temperature Resistance [°C]	80	80	80	80	80	80
Short-Term Temperature Resistance [°C]	120	120	120	120	120	120





## Introduction

The conductive cloth tape is first plated with a highly conductive copper layer on a polyester material, then plated with anti-oxidation and anti-corrosion nickel metal on the copper layer, the combination of copper and nickel provides excellent conductivity and good electromagnetic wave shielding effect, and then backed with conductive adhesive on one side. It has good electrical conductivity, excellent shielding effect, good anti-friction properties, good metal bonding, better Z-directional conductivity, good processability, soft texture, slitting without burrs, resistance to handprint soiling, anti-oxidation treatment and other characteristics.

## Application

Conductive cloth tape is suitable for computers, mobile phones, wires, cables and other types of electronic and electrical products, mainly for masking or isolating electromagnetic waves or interference from infinite waves during high frequency transmission.

## Property

Product Code	P0403	P0405	P0407	P0408	P0410	P0412	P0415	P0420	P0426
Technical Parameters									
Color	Grey ( Square/Plain )								
Total Thickness[mm]	0.03	0.05	0.07	0.08	0.1	0.12	0.15	0.2	0.26
Backing Thickness[mm]	0.02	0.03	0.05	0.05	0.08	0.08	0.1	0.16	0.22
Backing	Conductive Cloth								
Adhesive	Conductive Acrylic								
180°Peel Strength[N/inch]	8	10	12	12	12	12	12	12	12
Initial Adhesion[#]	1	1	2	2	2	2	2	2	2
Retentivity[hour]	48								
Surface Resistance[mΩ]	50								
Long-Term Temperature Resistance [°C]	80								
Short-Term Temperature Resistance [°C]	120								



## Introduction

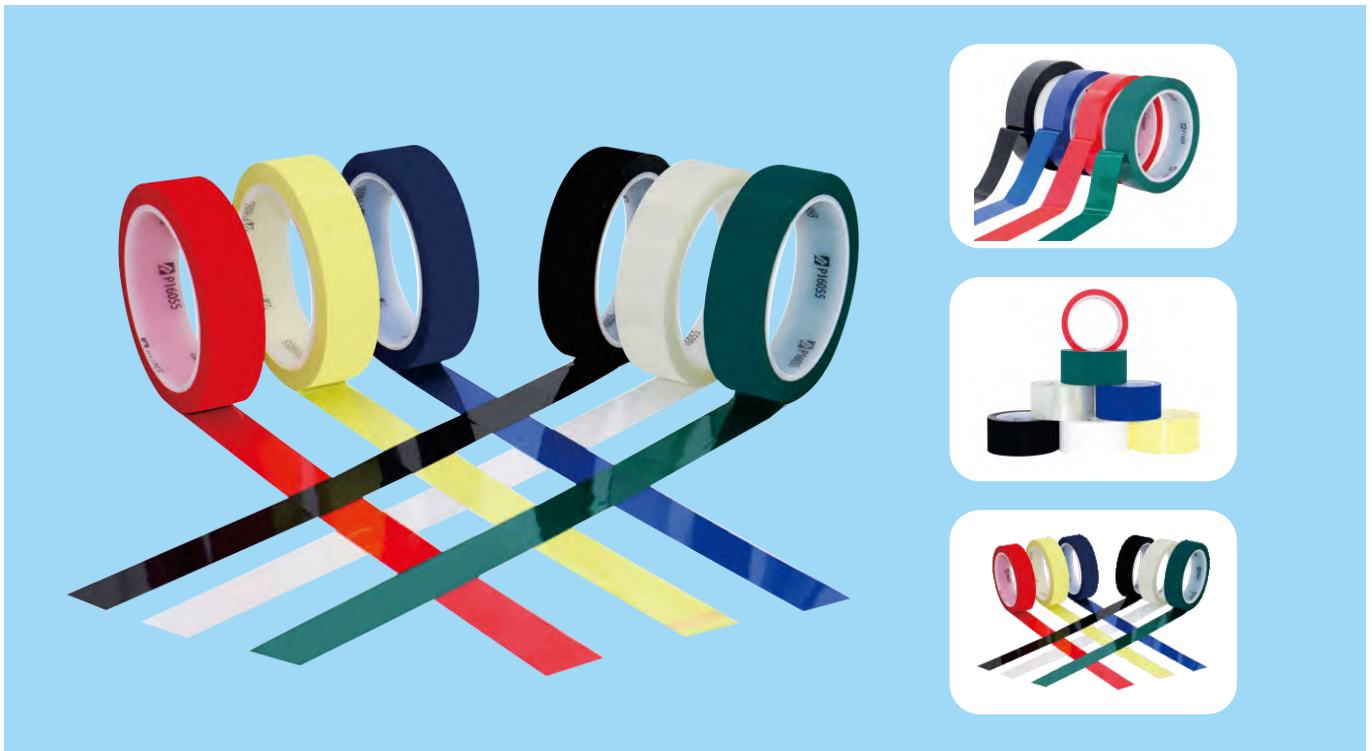
Double Sided Conductive Cloth Tape is first on the polyester material, electroplated with high conductivity copper layer, in the copper layer and then electroplated with anti-oxidation, anti-corrosion nickel metal, the combination of copper and nickel to provide excellent electrical conductivity and good electromagnetic wave shielding effect, and then double-sided backed with conductive adhesive. It has good electrical conductivity, excellent shielding effect, good anti-friction properties, good metal bonding, better Z-directional conductivity, good processability, soft texture, slitting without burrs, resistance to handprint soiling, anti-oxidation treatment and other characteristics.

## Application

Suitable for computers, mobile phones, wires, cables and other types of electronic and electrical products, mainly for masking or isolating interference from electromagnetic or infinite waves during high frequency transmission.

## Property

Product Code	P0405D	P0408D	P0410D	P0412D	P0415D	P0420D
<b>Technical Parameters</b>						
Color	Grey	Grey	Grey	Grey	Grey	Grey
Total Thickness[mm]	0.05	0.08	0.1	0.12	0.15	0.2
Backing Thickness[mm]	0.03	0.03	0.08	0.08	0.08	0.08
Backing	Conductive Cloth					
Adhesive	Conductive Acrylic					
180°Peel Strength[N/inch]	12/12	12/12	12/12	15/15	15/15	15/15
Initial Adhesion[#]	2	2	2	2	2	2
Retentivity[hour]	48					
Surface Resistance[mΩ]	50					
Long-Term Temperature Resistance [°C]	80					
Short-Term Temperature Resistance [°C]	120					



## Introduction

Mylar Tape is made of polyester film coated with a high-performance acrylic pressure-sensitive adhesive. It has excellent insulating properties, flame retardant, solvent resistant and high temperature resistant.

## Application

- ◆ Wrapping and wrapping of capacitors and electric coils.
- ◆ Transformer, motor motor insulation wrapping.
- ◆ Electrical and electronic insulation, high-temperature resistant adhesion.
- ◆ High voltage isolation of main board circuit of switching power supply.
- ◆ Wrapping between the protection plate and the core in soft pack lithium batteries.

## Property

Product Code	P1603	P1605	P16055	P1606	P1608	P1611
Technical Parameters						
Color	Transparent, Green, Red, Blue, Black, White, Light Yellow, Dark Yellow					
Total Thickness[mm]	0.03	0.052	0.055	0.06	0.08	0.11
Backing Thickness[mm]	0.02	0.025	0.025	0.025	0.05	0.025
Backing	PET	PET	PET	PET	PET	PET
Initial Adhesion[#]	≥3	≥3	≥3	≥3	≥3	≥3
180°Peel Strength[N/inch]	4-6	6-8	6-8	6-8	6-8	6-8
Breakdown Voltage[KV]	≤3	≥3	≥3	≥3	≥3	≥3
Tensile Strength[N/inch]	60	87.5	90	90	225	60
Elongation At Break[%]	70	70	70	70	70	70
Long-Term Temperature Resistance [°C]	120	120	120	120	120	120
Short-Term Temperature Resistance [°C]	150	150	150	150	150	150
Flame Retardant Grade	UL510	UL510	UL510	UL510	UL510	UL510



**Introduction**

Lithium Battery Tape is made from PET polyester film coated with a special acrylic adhesive for lithium battery electrolyte. It has strong resistance to electrolyte, high adhesion, softness and good adhesion, and is environmentally friendly and halogen-free.

**Application**

Specially designed for the insulation and fixing protection of lithium/nickel/cadmium and other types of aluminium, steel and soft pack battery cells.

- ◆ Bonding and fixing of positive and negative lug parts.
- ◆ Bonding of lithium battery sealing parts.
- ◆ Insulation and protection of the pole lug area.
- ◆ High electrical insulation, used in the core insulation parts fixed.

**Property**

Product Code	P22016	P22022	P22030	P22045	P22050
Technical Parameters					
Color	Green, Blue, Dark Green, Light Blue				
Total Thickness [mm]	0.016	0.022	0.03	0.045	0.05
Backing	PET	PET	PET	PET	PET
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
180°Peel Strength[N/inch]	3±1	3±1	3±1	3±1	3±1
Tensile Strength[N/25mm]	170	170	170	170	170
Electrolyte resistant[85/24H]	通过				
Long-Term Temperature Resistance [°C]	80	80	80	80	80
Short-Term Temperature Resistance [°C]	110	110	110	110	110



**Introduction**

Margin tape is made from a polyester film laminated non-woven fabric on a non-woven fabric base with a high performance acrylic pressure sensitive adhesive. It is available in one, two and three layer structured products for customers to choose from. It is highly insulating, resistant to Breakdown Voltage and has good temperature resistance.

**Application**

- ◆ Insulation of UPS power supplies, dry-type transformers, high temperature frequency transformers, gaskets (high temperature), microwave oven transformers.
- ◆ Insulation of transformers, electronic coils, motors and other electronic industries.

**Property**

Product Code	P2314	P2327	P2340
<b>Technical Parameters</b>			
Type	One Layer	Two Layer	Three Layer
Color	Yellow	Yellow	Yellow
Total Thickness [mm]	0.14	0.27	0.4
Backing Thickness[mm]	0.1	0.23	0.36
Backing	PET Laminated Non-Woven	PET Laminated Non-Woven	PET Laminated Non-Woven
Adhesive	Acrylic	Acrylic	Acrylic
180°Peel Strength[N/inch]	7.2	7.2	7.2
Breakdown Voltage[KV]	≥5.5	≥10	≥15
Tensile Strength[N/10mm]	70	70	70
Elongation At Break[%]	10	10	10
Long-Term Temperature Resistance [°C]	130	130	130
Short-Term Temperature Resistance [°C]	180	180	180



## Introduction

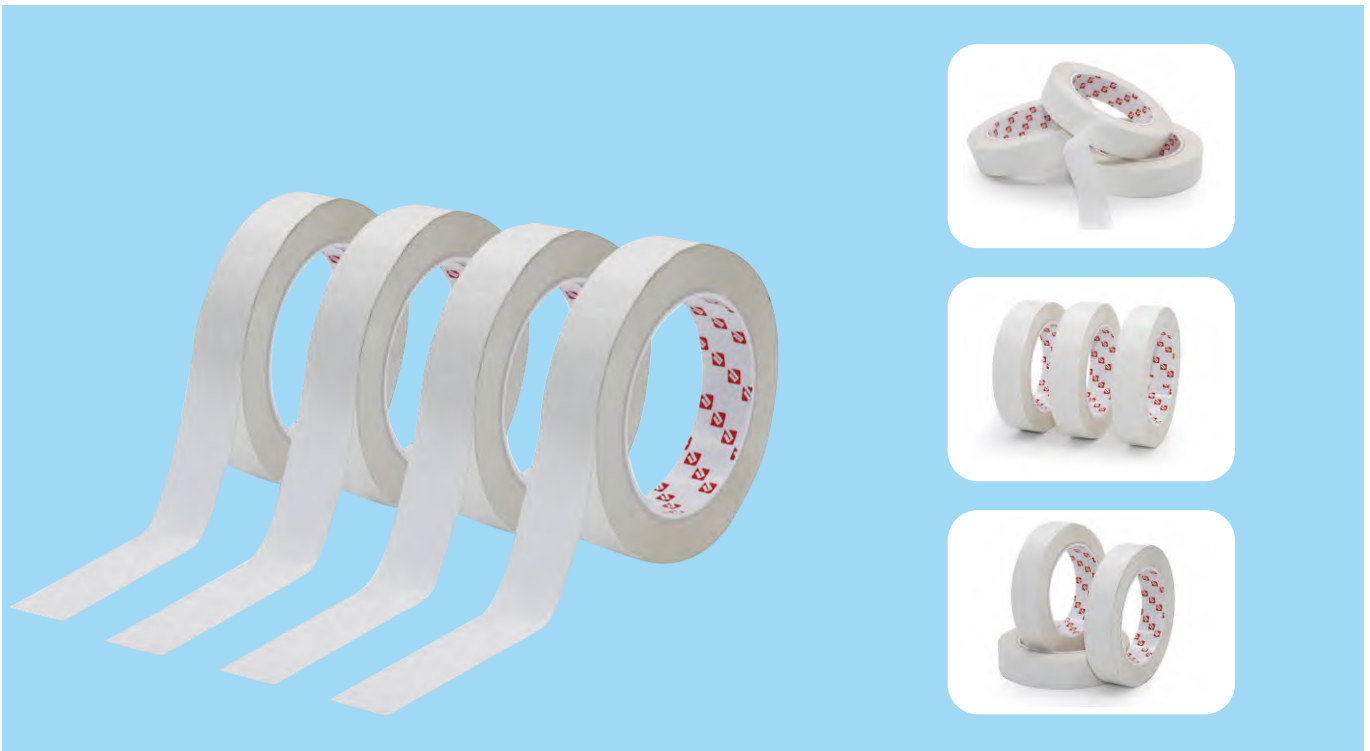
Acetate cloth tape is made from high quality acetate fabric and coated with high performance acrylic adhesive. It is resistant to high temperatures, solvents, ageing, insulation, peeling and flame retardant.

## Application

- ◆ For insulation of electronic products
- ◆ Winding and fixing of ceramic heaters and quartz tubes
- ◆ Insulation protection for automobile and equipment harnesses
- ◆ Transformer and battery insulation

## Property

Product Code	P0508	P0512	P0522	P0522F
<b>Technical Parameters</b>				
Color	Black/White	Black/White	Black/White	Black/White
Total Thickness[mm]	0.08	0.12	0.22	0.22
Backing Thickness[mm]	0.06	0.1	0.18	0.18
Backing	Acetate Cloth	Acetate Cloth	Acetate Cloth	Acetate Cloth
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic
Initial Adhesion[#]	4	4	4	4
180°Peel Strength[N/inch]	8	10	17	7
Retentivity[hour]	24	48	48	48
Tensile Strength[Kgf/inch]	5.5	5.5	5.5	5.5
Long-Term Temperature Resistance [°C]	80	80	80	80
Short-Term Temperature Resistance [°C]	130	130	130	130
Flame Resistance	-	-	Non-flame retardant	Flame retardant



**Introduction**

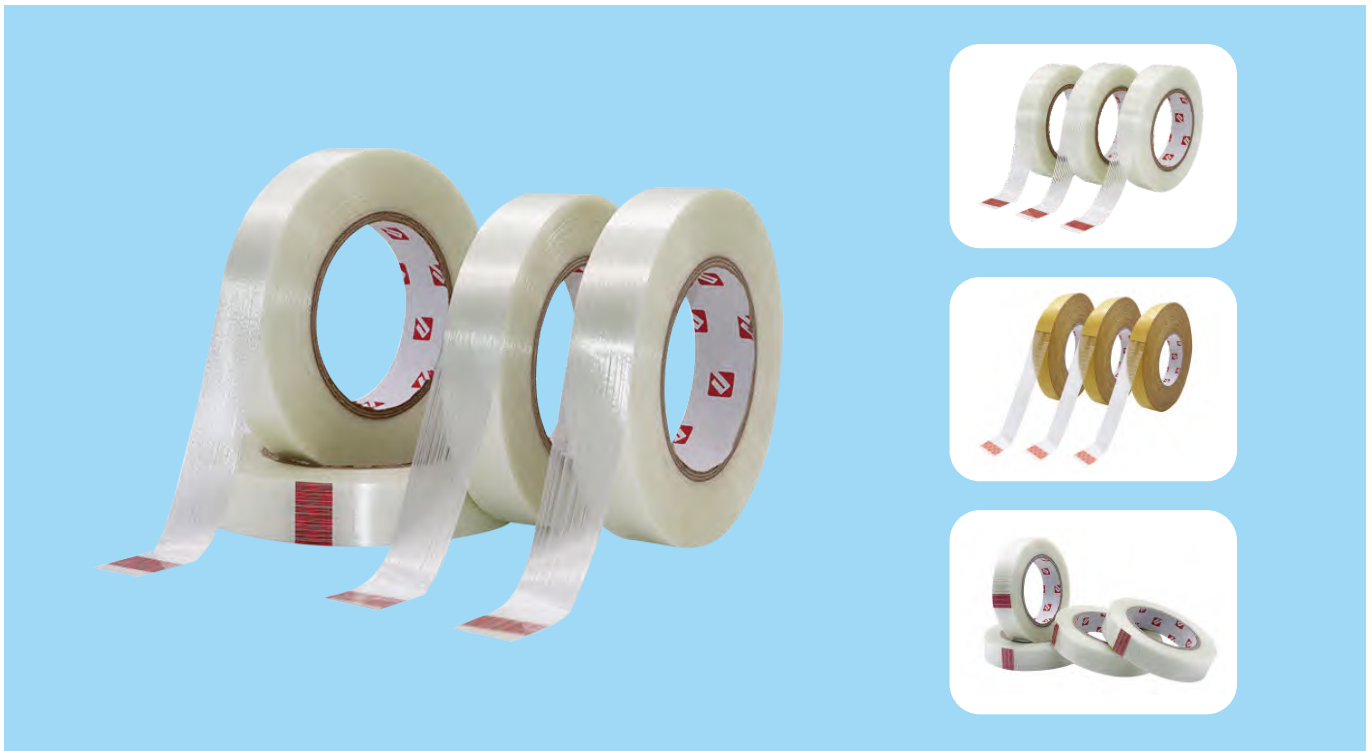
Nomex paper tape is made of aramid paper as the base material and coated with flame retardant acrylic adhesive. It is fire resistant, flame retardant, high temperature resistant, has high Tensile Strength and good insulation properties.

**Application**

- ◆ Insulation of transformers, motors and other electronic components in the sandwich.
- ◆ Mobile phone accessories insulation and fire retardant and lithium manganese battery insulation wrapping protection between power battery pack cells.

**Property**

Product Code	P9809	P9813
<b>Technical Parameters</b>		
Color	White	White
Total Thickness [mm]	0.09	0.13
Backing Thickness[mm]	0.05	0.08
Backing	Aramid Paper	Aramid Paper
Adhesive	Acrylic	Acrylic
180°Peel Strength[N/inch]	≥10	≥10
Tensile Strength[N/10mm]	Md≥39 TD≥18	Md≥65 TD≥32
Elongation At Break[%]	Md≥9 TD≥6	Md≥11 TD≥8
Breakdown Voltage[V]	≥850	≥1650
Long-Term Temperature Resistance [°C]	150	150
Short-Term Temperature Resistance [°C]	180	180



## Introduction

Filament tape is made from transparent PET/PP film, reinforced with striped/mesh fibres and coated with synthetic rubber or acrylic pressure sensitive adhesive on one or both sides. It is characterised by high Tensile Strength, good abrasion resistance, no residual adhesive removal and good flexibility.

## Application

- ◆ New energy industry, lithium battery packaging fixing and assembly strapping.
- ◆ Conventional applications, encapsulating cargo boxes, heavy duty carton sealing and moving heavy goods encapsulation and fixing.
- ◆ Metal industry, coil sealing and steel strapping.
- ◆ Product Code toys, Product Code parts attachment and toy structure fixing and connection.
- ◆ Home appliance industry, large electrical appliances fixed packaging, electrical wiring fixing and temporary fixing of electrical moving parts.

## Property

Product Code	P1201	P1201W	P1212	P1214	P1216	P1218	P1239	P1208
Technical Parameters								
Appearance	Plain	Cross-weaved	Plain	Plain	Plain	Plain	Plain	Cross-Weaved
Total Thickness[mm]	0.14	0.13	0.114	0.137	0.155	0.173	0.16	0.3
Backing	PET+Glass Fiber			PP+Glass Fiber		PET+Glass Fiber		
Adhesive	Hot Melt	Hot Melt	Rubber	Rubber	Rubber	Rubber	Acrylic	Hot Melt
180°Peel Strength[N/inch]	18	18	12.7	14	12.7	10.7	16	22
Tensile Strength[N/inch]	450	550	635	965	762	1346	950	300
Elongation At Break[%]	3	4	4	4	4.5	4.5	3	5
Retentivity[hour]	≥48	≥48	≥48	≥48	≥48	≥48	≥48	≥48
Long-Term Temperature Resistance [°C]	60	60	80	80	80	80	100	80
Short-Term Temperature Resistance [°C]	80	80	100	100	100	100	120	100





**Introduction**

MOPP Strapping Tape is made of high performance MOPP film coated with a special synthetic rubber/acrylate pressure sensitive adhesive. It has high adhesive strength, high Tensile Strength, low elongation, easy horizontal tearing and no adhesive residue removal.

**Application**

- ◆ Temporary fixing, encapsulation and reinforcement of moving parts of household appliances, refrigerators and air conditioners.
- ◆ Tying and fixing of office accessories such as printers.
- ◆ End fixing of metal pipe profiles.

**Property**

Product Code	P4807L	P4710L	P4810H	P4810C	P48145
Technical Parameters					
Color	Light Blue / Dark Blue / White				Yellow
Total Thickness[mm]	0.75	0.1	0.1	0.1	0.145
Backing Thickness[mm]	0.05	0.08	0.08	0.08	0.115
Backing	MOPP	MOPP	MOPP	MOPP	MOPP
Adhesive	Rubber	Rubber	Rubber	Rubber	Acrylic
180°Peel Strength[N/inch]	7	8	13.8	8	9
Tensile Strength[N/inch]	340	500	475	600	700
Elongation At Break[%]	20	18	17	20	16
Retentivity[hour]	72	72	72	72	72
Long-Term Temperature Resistance [°C]	60	60	60	60	130
Short-Term Temperature Resistance [°C]	80	80	80	80	150



## Introduction

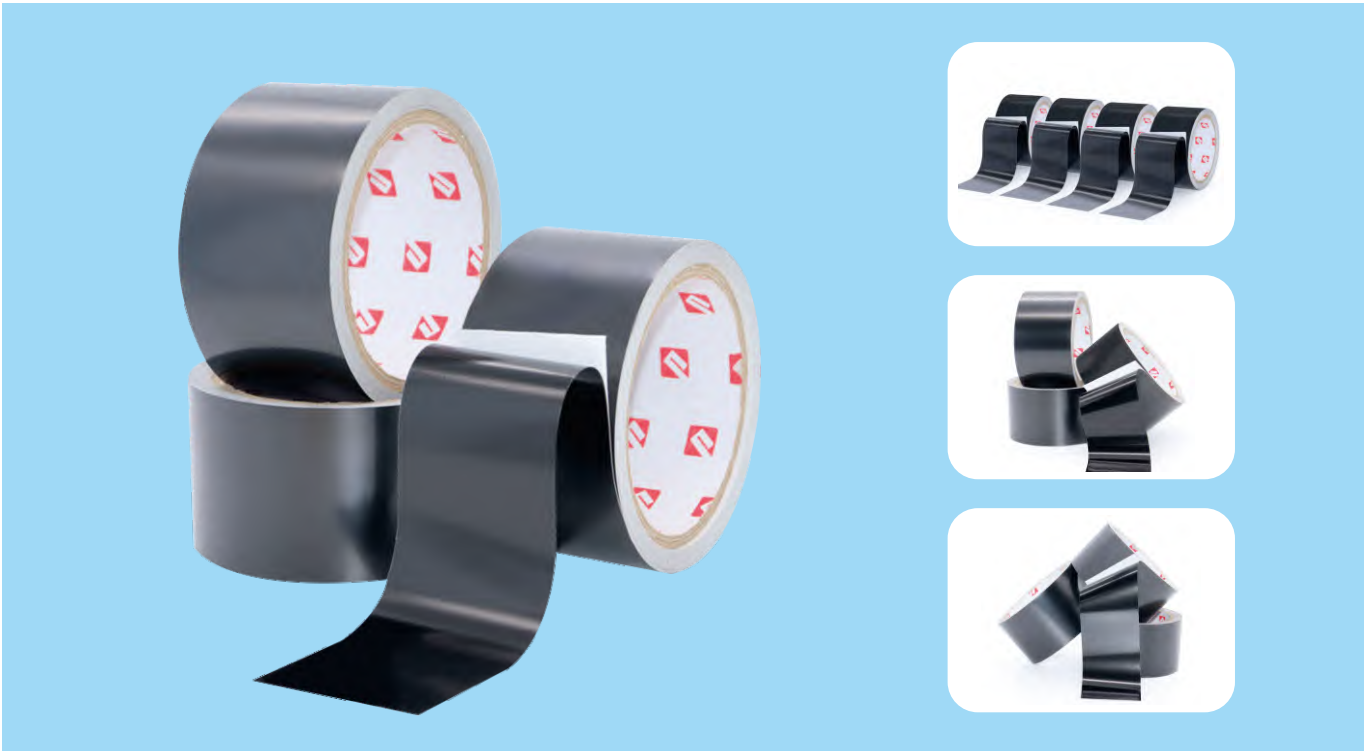
Warning tape is made of PVC film and coated with special high performance rubber. It has good flexibility, good Tensile Strength, high abrasion resistance, colour diversity, no fading, long lasting adhesion, repeatable positioning, acid and alkali resistance, water resistance, friction resistance, and no residual adhesive after a long time of lamination.

## Application

- ◆ Factory workshop, machinery and equipment, supermarkets and other limited space to divide the area, play a role in marking.
- ◆ Temporary protection in the process of electroplating and painting industry.
- ◆ Wrapping and wrapping of pipelines for oil, natural gas, gas, etc.
- ◆ Traffic lane and safety marking applications.
- ◆ Colour coded metal cans and storage containers for sealing and reinforcing decoration.

## Property

Product Code	P2100	P2100D
<b>Technical Parameters</b>		
Color	Black, Red, Green, Yellow, White, Blue	Black And Yellow, Red And White, Blue And White, Green And White, Black And White
Total Thickness[mm]	0.13 ~ 0.16	0.13 ~ 0.16
Backing	PVC	PVC
Adhesive	Rubber	Rubber
180°Peel Strength[N/inch]	4.5	4
Tensile Strength[N/inch]	65.4	85
Elongation At Break[%]	200	200
Long-Term Temperature Resistance [°C]	80	80
Short-Term Temperature Resistance [°C]	100	100



**Introduction**

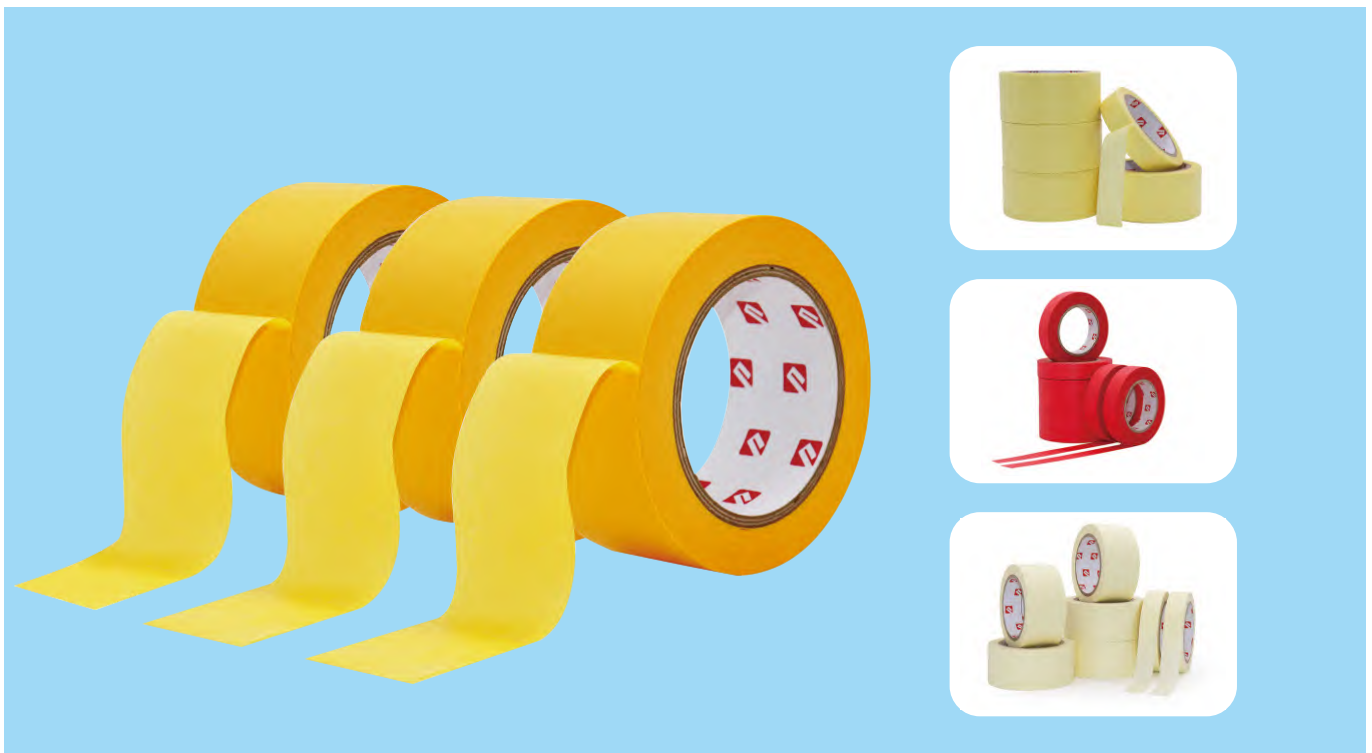
Single Sided PET Tape is made from transparent/black PET film coated with a high-performance acrylate pressure-sensitive adhesive. It is resistant to bouncing, has a good shading effect, high temperature resistance, good insulation, good die-cutting properties, excellent adhesion and stress-relieving properties.

**Application**

- ◆ Insulation for membrane switch circuits, fixing and bonding.
- ◆ Fixing and shading of LCD liquid crystal display parts and diffusion sheets inside the backlight of notebook computers, mobile phones, PDAs, etc.
- ◆ Adhesion of graphite sheets inside mobile phones.
- ◆ Adhesive fixing of internal parts of other consumer electronic products.

**Property**

Product Code	P5501	P5503	P5505	P55075	P5510	P55125	P5515	P5520
<b>Technical Parameters</b>								
Color	Transparent/Black							Black
Total Thickness[mm]	0.01	0.03	0.05	0.075	0.1	0.125	0.15	0.2
PET Backing[mm]	0.002	0.012	0.025	0.05	0.075	0.075	0.1	0.15
Initial Adhesion ( No.# )	1	2	2	2	2	2	2	2
180°Peel Strength[N/inch]	>0.8	>0.8	>1.2	>1.2	>1.5	>1.5	1.5	1.8
Retentivity[hour]	>48	>48	>48	>48	>48	>48	>48	>48
Long-Term Temperature Resistance [°C]	80	80	80	80	80	80	80	80
Short-Term Temperature Resistance [°C]	120	120	120	120	120	120	120	120



## Introduction

Masking Tape is based on high performance washi paper/printed paper and coated with a rubber/acrylate/silicone based pressure sensitive adhesive. It has the advantages of high temperature resistance, residue-free removal, good adhesion, low surface energy, high paper elongation and a secure fit on curved surfaces.

## Application

Paint masking for home decoration, paint masking for cars, paint masking for home appliance parts, paint masking for plastic moulds, sealing and protection for construction sites, tile seaming, temporary fixing of electronic circuit components

## Property

Product Code	P1710	P1714	P1715	P1720
<b>Technical Parameters</b>				
Color	Dark yellow	Yellow	Yellow	Red/White
Total Thickness[mm]	0.1	0.14	0.15	0.22
Adhesive	Acrylic	Silicone	Rubber	Silicone
Backing	Crepe Paper	Crepe Paper	Crepe Paper	Red Crepe Paper Laminated to PET Film
180°Peel Strength[N/inch]	5	6.5	5	12
Tensile Strength[N/inch]	80	65	80	280
Elongation Rate[%]	5	10	10	6
Long-Term Temperature Resistance [°C]	90	70	50	180
Short-Term Temperature Resistance [°C]	120	90	70	220



**Introduction**

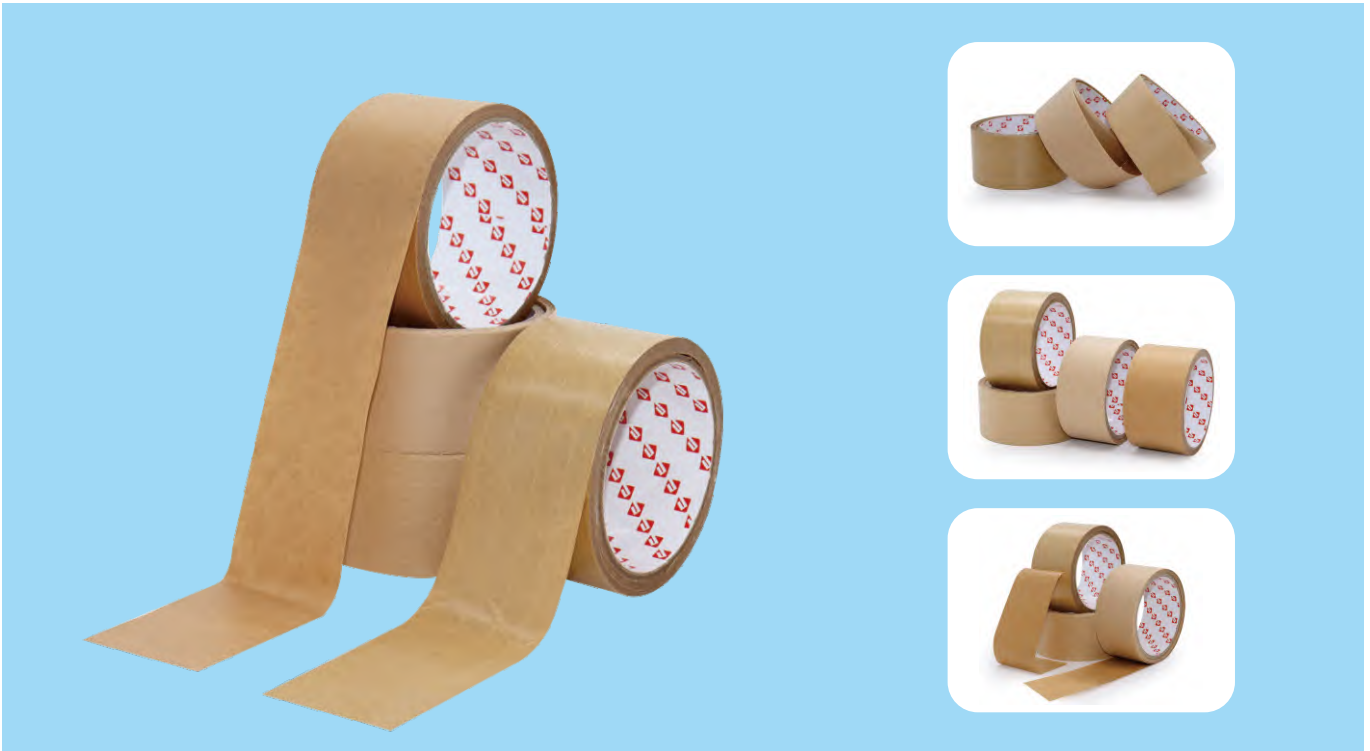
Cloth tape is a functional tape made from gauze coated with hot-melt pressure-sensitive adhesive/rubber after lamination and release. It has good tearability, high adhesive strength, waterproof and leak-proof, good initial adhesion and high Tensile Strength.

**Application**

Suitable for sealing cartons, strapping heavy objects, fixing carpets, temporary repairs, building sealing and waterproofing, etc.

**Property**

Product Code	P1415	P1419	P1425	P1430	P1425D	P1430D
<b>Technical Parameters</b>						
Type	Single Sided Cloth Tape				Double Sided Cloth Tape	
Color	Red , Green , Yellow , White , Black , Blue , Sliver Gray , Brown				White	White
Total Thickness[mm]	0.15	0.19	0.25	0.3	0.25	0.3
Backing	Thermal Lamination Of Polyethylene With Gauze Fibres					
Adhesive	Hot Melt	Hot Melt	Hot Melt	Rubber	Rubber	Rubber
180°Peel Strength[N/inch]	14	17	19	9	16/16	18/18
Initial Tack[#]	8	10	12	23	18/18	23/23
Tensile Strength[N/inch]	50	70	95	95	95	95
Long-Term Temperature Resistance [°C]	30	30	30	80	80	80
Short-Term Temperature Resistance [°C]	40	40	40	120	120	120



**Introduction**

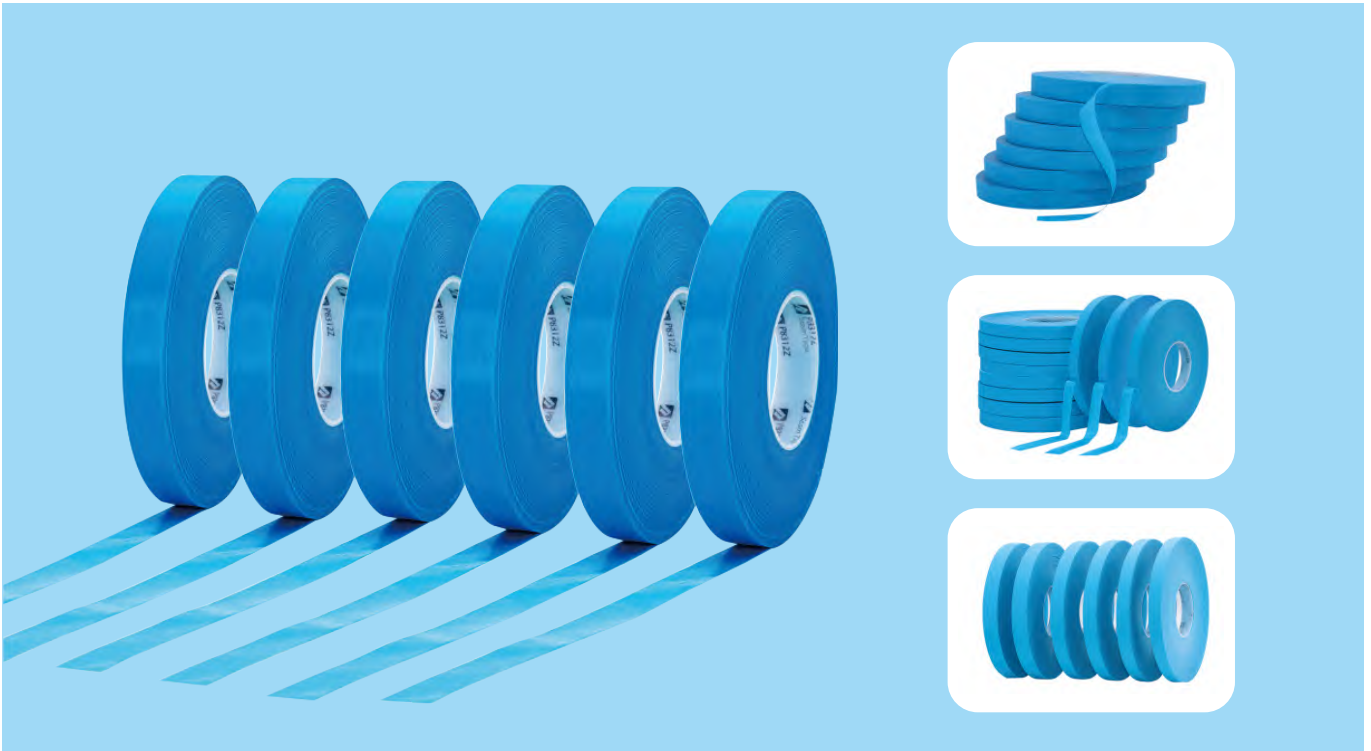
Kraft paper tape is made from kraft paper/reinforced fiberglass kraft paper and coated with high performance hot melt adhesive/starch. It has high adhesion, excellent abrasion resistance and high Tensile Strength.

**Application**

Sealing of boxes, dustproof masking, dustproofing of picture frames, gluing and masking of various panels in the construction industry, etc.

**Property**

Product Code	P1101	P1102	P1103	P1118
<b>Technical Parameters</b>				
Type	Self Adhesive	Water Activated	Reinforced Water Activated	Reinforced Self Adhesive
Color	White/Natural Color	White/Natural Color	White/Natural Color	Natural Color
Total Thickness[mm]	0.12~0.15	0.11~0.17	0.14	0.175
Backing	Kraft Paper	Kraft Paper	Reinforced Kraft Paper	Reinforced Kraft Paper
Adhesive	Hot Melt Adhesive	Starch	Starch	Hot Melt Adhesive
180°Peel Strength[N/inch]	12	6.8 (Normal non-sticky,add water)	6.8 (Normal non-sticky,add water)	25
Tensile Strength[N/inch]	100	135	290	290
Elongation At Break[%]	3	3	3	3
Long-Term Temperature Resistance [°C]	-5~40	-5~40	-5~40	-5~40
Short-Term Temperature Resistance [°C]	-5~60	-5~60	-5~60	-5~60



**Introduction**

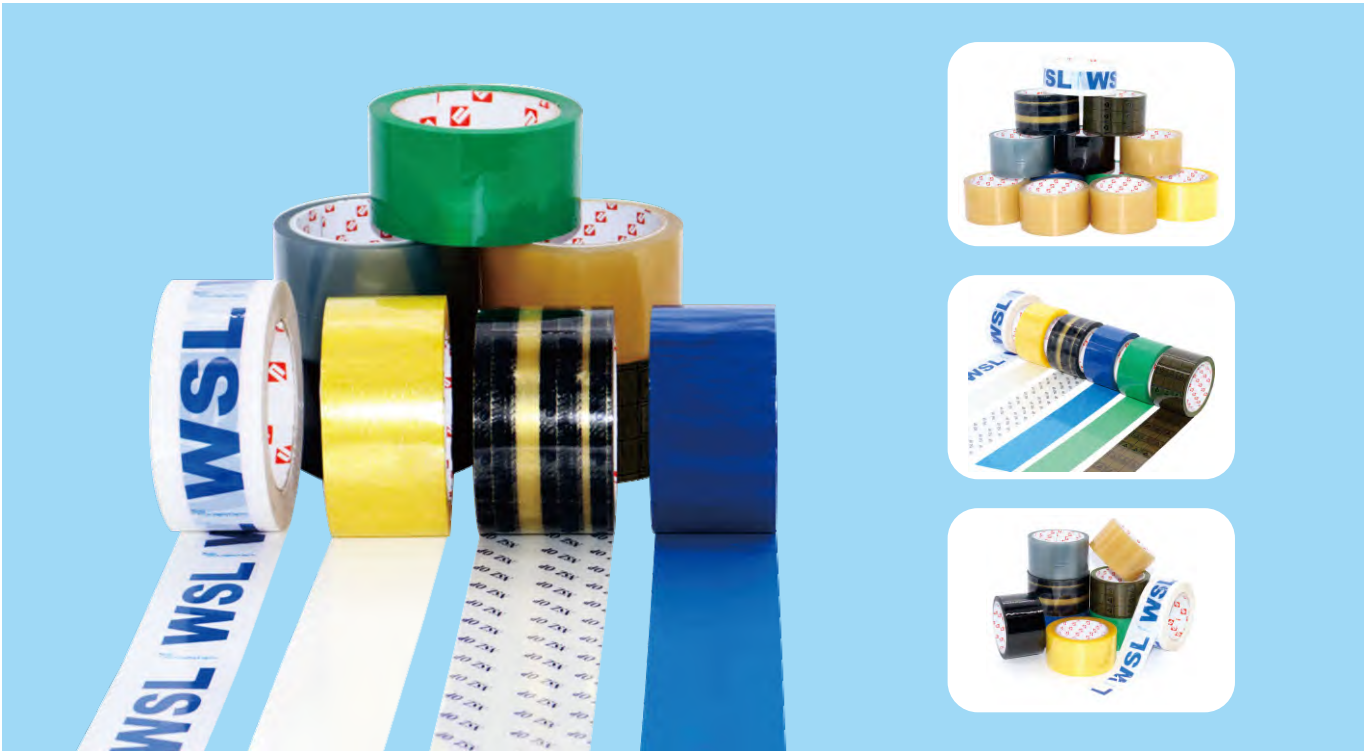
The P8300 series is a protective adhesive strip based on a combination of fabric fabric/EVA film and coated with high performance hot melt adhesive. It has the softness and comfort required for garments, low temperature hot melt sealing, waterproof and leak-proof, excellent weather resistance, strong adhesive sealing, effective waterproof, dustproof, anti-bacterial, fast lamination and high temperature resistance.

**Application**

Non-woven PP+PE/TPU coated fabrics with needle seam sealing; various medical protection and general isolation clothing such as anti-bacterial infection series

**Property**

Product Code		P8316E	P8312Z	P8312X
Technical Parameters				
Color		蓝	蓝	蓝
Total Thickness[mm]		0.16	0.12	0.12
Backing		PEVA	Straight Grain Fabric	Twill Fabric
Adhesive		Hot Melt	Hot Melt	Hot Melt
Tensile Strength[N/inch]		18	170	190
Elongation At Break[%]		225	30	40
Process Parameters	Heaters Temperature[°C]	240 ~ 280	250 ~ 320	250 ~ 320
	Speed[m/min]	10	10	10
	Pressure[kg/cm <sup>2</sup> ]	1.0 ~ 1.2	1.0 ~ 1.2	1.0 ~ 1.2



## Introduction

The tape is made of BOPP and coated with acrylic pressure sensitive adhesive. It has high Tensile Strength, high adhesion, smooth sealing and low density. Biodegradable sealing tape is made from recycled fibre paper and coated with an environmental pressure sensitive adhesive. It is environmental-friendly, biodegradable, recyclable and has high adhesive strength

## Application

Highly demanding sealing and packing, patching, strapping and securing of boxes.

## Property

Product Code	P1800	P1800-P	P18060CE	P18060GE	P18060YE	P9545	P9552
<b>Technical Parameters</b>							
Color	Transparent , Clear Yellow	Printing	Transparent	Grid , Transparent	Grid , Yellow	Transparent	Transparent
Thickness[um]	38~60	38~60	60	60	60	45	52
Backing	BOPP	BOPP	BOPP	BOPP	BOPP	Recycled Fiber Paper	Recycled Fiber Paper
Adhesive	Water-Based Acrylic						
180°Peel Strength[N/25mm]	5	5	6	6	6	6.5	9
Retentivity[hour]	24	24	24	24	24	48	48
Initial Tack [#Ball]	13	13	11	11	11	10	13
Tensile Strength[N/25mm]	75	75	75	75	75	12	75
Elongation At Break[%]	180	180	180	180	180	15	20
Film Surface Resistance[Ω]	-	-	1×10 <sup>6</sup>	1×10 <sup>6</sup>	1×10 <sup>6</sup>	-	-
Adhesive Surface Resistance[Ω]	-	-	1×10 <sup>9</sup>	1×10 <sup>9</sup>	1×10 <sup>9</sup>	-	-
Dynamic Voltage[V]	-	-	60	60	60	-	-
Static Voltage[V]	-	-	50	50	50	-	-
Long-Term Temperature Resistance [°C]	50	50	50	50	50	50	50
Short-Term Temperature Resistance [°C]	75	75	75	75	75	75	75





**Introduction**

The reflective tape uses PVC as carrier ,processed by micro-prismatic reflective layer. It has high reflectivity, long term weather resistance, good adhesion properties and easy handling.

**Application**

Advertising spray painting and road safety supplies.

- ◆ Advertising spray painting market: cross-road bridge billboards, lamppost flags, road stand flags, site hoarding advertising, building construction frame advertising, Optimus pillar billboards, light boxes, advertising stickers, body advertising, tree screen advertising, etc.
- ◆ Road traffic safety supplies market: temporary construction signs, road signs, crash barrels, road cones, body reflective signs, etc.

**Property**

Product Code	P1934	P1934D
Technical Parameters		
Color	Blue	Red-White , Black-Yellow , Red-Black , Black-Green
Total Thickness[mm]	0.34	0.34
Backing	PVC	PVC
Weather resistance	1 Year	1 Year
180°Peel Strength[N/25mm]	3	3
Long-Term Temperature Resistance [°C]	50	50
Short-Term Temperature Resistance [°C]	75	75



## Introduction

Single Side Acrylic PET Protective Film uses PET as carrier and coated with a high-performance acrylic pressure-sensitive adhesive. It has good weather resistance, good heat resistance, acid and alkali resistance and can be adhered to a variety of material surfaces.

## Application

- ◆ Surface protection during product transportation.
- ◆ Protection of all kinds of lenses and screen engineering.
- ◆ Protection of plastic parts such as plastic cases and keyboards.
- ◆ Die-cutting carrier and transfer of various films and tapes and waste discharge.
- ◆ Different viscosity of protective film, can be used as a support carrier for different thickness of foam die-cutting.
- ◆ Temporary transfer and fixing of electronic products.

## Property

Product Code	P4000A1	P4000A3	P4000A5	P4000A8	P4000A12	P4000A18	P4000A30	P4000A45
Technical Parameters								
Color	Transparent/White/Blue/Black/Red/Green/Matte ( Customization )							
Total Thickness[mm]	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110
Backing Thickness[mm]	0.025/0.038/0.05/0.075							
Backing[mm]	PET	PET	PET	PET	PET	PET	PET	PET
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
180°Peel Strength[g/inch]	1 ~ 3	3 ~ 5	5 ~ 8	8 ~ 12	12 ~ 18	18 ~ 30	30 ~ 45	45 ~ 65
Tensile Strength[N/inch]	≥120	≥120	≥120	≥120	≥120	≥120	≥120	≥120
Elongation At Break[%]	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70
Long-Term Temperature Resistance [°C]	120	120	120	120	120	120	120	120
Short-Term Temperature Resistance [°C]	150	150	150	150	150	150	150	150



## Introduction

Double Sided Acrylic PET Protective Film uses PET film as carrier, coated with high-performance acrylic pressure-sensitive adhesive, and laminated with a release film. It has good weather resistance, good heat resistance, acid and alkali resistance, and can be attached to a variety of materials.

## Application

- ◆ Surface protection during product transportation.
- ◆ Protection of all kinds of lenses and screen engineering.
- ◆ Protection of plastic parts such as plastic cases and keyboards.
- ◆ Die-cutting carrier and transfer of various films and tapes and waste discharge.
- ◆ Different viscosity of protective film, can be used as a support carrier for different thickness of foam die-cutting.
- ◆ Temporary transfer and fixing of electronic products.

## Property

Product Code	P4000A1-25	P4000A3-25	P4000A5-25	P4000A8-50	P4000A12-50	P4000A18-50	P4000A30-75	P4000A45-75
Technical Parameters								
Color	Transparent/White/Blue/Black/Red/Green/Matte ( Customization )							
Total Thickness[mm]	0.028~0.110	0.028~0.110	0.028~0.110	0.028~0.110	0.028~0.110	0.028~0.110	0.028~0.110	0.028~0.110
Backing Thickness[mm]	0.025/0.038/0.05/0.075							
Release Film Total Thickness[mm]	0.025	0.025	0.025	0.05	0.05	0.05	0.075	0.075
Backing	PET	PET	PET	PET	PET	PET	PET	PET
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
180°Peel Strength[g/inch]	1~3	3~5	5~8	8~12	12~18	18~30	30~45	45~65
Tensile Strength[N/inch]	≥120	≥120	≥120	≥120	≥120	≥120	≥120	≥120
Elongation At Break[%]	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70
Long-Term Temperature Resistance [°C]	120	120	120	120	120	120	120	120
Short-Term Temperature Resistance [°C]	150	150	150	150	150	150	150	150



## Introduction

Single Sided Silicone PET Protective Film uses PET film as carrier and coated with high performance silicone pressure sensitive adhesive. It is resistant to high temperatures, good exhaust air, good weather resistance, acid and alkali resistance and no adhesive residue.

## Application

- ◆ Surface protection during product transportation.
- ◆ Protection of all kinds of lenses and screen engineering.
- ◆ Protection of plastic parts such as plastic cases and keyboards.
- ◆ Die-cutting carrier and transfer of various films and tapes and waste discharge.
- ◆ Different viscosity of protective film, can be used as a support carrier for different thickness of foam die-cutting.
- ◆ Temporary transfer and fixing of electronic products.

## Property

Product Code	P6000S1	P6000S3	P6000S5	P6000S8	P6000S12	P6000S18	P6000S30	P6000S45
<b>Technical Parameters</b>								
Color	Transparent/White/Blue/Black/Red/Green/Matte ( Customization )							
Total Thickness[mm]	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110
Backing Thickness[mm]	0.025/0.038/0.05/0.075							
Backing	PET							
Adhesive	Silicone							
180°Peel Strength[g/inch]	1 ~ 3	3 ~ 5	5 ~ 8	8 ~ 12	12 ~ 18	18 ~ 30	30 ~ 45	45 ~ 65
Tensile Strength[N/inch]	≥120	≥120	≥120	≥120	≥120	≥120	≥120	≥120
Elongation At Break[%]	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70
Long-Term Temperature Resistance [°C]	140	140	140	140	140	140	140	140
Short-Term Temperature Resistance [°C]	200	200	200	200	200	200	200	200



## Introduction

Double Sided Silicone PET Protective Film uses PET film as carrier, coated with high-performance silicone pressure-sensitive adhesive, and laminated with a release film. It is resistant to high temperatures, good exhaust, good weather resistance, acid and alkali resistance and no adhesive residue.

## Application

- ◆ Surface protection during product transportation.
- ◆ Protection of all kinds of lenses and screen engineering.
- ◆ Protection of plastic parts such as plastic cases and keyboards.
- ◆ Die-cutting carrier and transfer of various films and tapes and waste discharge.
- ◆ Different viscosity of protective film, can be used as a support carrier for different thickness of foam die-cutting.
- ◆ Temporary transfer and fixing of electronic products.

## Property

Product Code	P6000S1-25	P6000S3-25	P6000S5-25	P6000S8-50	P6000S12-50	P6000S18-50	P6000S30-75	P6000S45-75
Technical Parameters								
Color	Transparent/White/Blue/Black/Red/Green/Matte ( Customization )							
Total Thickness[mm]	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110	0.028 ~ 0.110
Backing Thickness[mm]	0.025/0.038/0.05/0.075							
Release Film Total Thickness[mm]	0.025	0.025	0.025	0.05	0.05	0.05	0.075	0.075
Backing	PET							
Adhesive	Silicone							
180°Peel Strength[g/inch]	1 ~ 3	3 ~ 5	5 ~ 8	8 ~ 12	12 ~ 18	18 ~ 30	30 ~ 45	45 ~ 65
Tensile Strength[N/inch]	≥120	≥120	≥120	≥120	≥120	≥120	≥120	≥120
Elongation At Break[%]	≥70	≥70	≥70	≥70	≥70	≥70	≥70	≥70
Long-Term Temperature Resistance [°C]	140	140	140	140	140	140	140	140
Short-Term Temperature Resistance [°C]	200	200	200	200	200	200	200	200



**Introduction**

PE protective film uses PE film as carrier and coated with high performance acrylic pressure sensitive adhesive. It has good flexibility, good fit, good adhesion and is environmentally friendly and non-toxic.

**Application**

- ◆ Hardware industry: computer cases, galvanized sheet stamping, aluminium plates, stainless steel plates, titanium plates, plastic steel plates, glass plates, solar panels.
- ◆ Optoelectronic industry: LCD liquid crystal display, backlight board, cold light sheet, membrane switch, mobile phone screen, etc.
- ◆ Plastic industry: ABS, PP injection molding products, PVC plates, acrylic plates, meters, plastic lenses, spray paint parts surface protection, etc.
- ◆ Printing industry: PVC, PC board, aluminum plate, film and other printed nameplate surface protection, etc.
- ◆ Wire and cable industry: the protection of shaft-mounted copper wire, semi-finished products, finished products, rolled products, can effectively prevent dust pollution, anti-oxidation, anti-fouling effect.
- ◆ Electronics industry: in the production of time, generally need to be used to protect the finished products and semi-finished products made up, in the assembly line is not easy to appear scratch and touch bad!
- ◆ Mobile phone digital industry: mobile phone screen protection film, is available to install the table mobile phone body, screen a protection.

**Property**

Product Code	P4103	P4104	P4105	P4106	P4107	P4108	P4110	P4112	P4115	P4105E
Technical Parameters										
Color/Appearance	Transparent/White/Blue ( Plain , Grid )									
Total Thickness[mm]	0.03	0.04	0.05	0.06	0.07	0.08	0.1	0.12	0.15	0.05
Backing	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Adhesive	Acrylic									
180°Peel Strength[g/inch]	1~1200									
Elongation At Break[%]	≥200									
Long-Term Temperature Resistance [°C]	60									
Short-Term Temperature Resistance [°C]	100									



**Introduction**

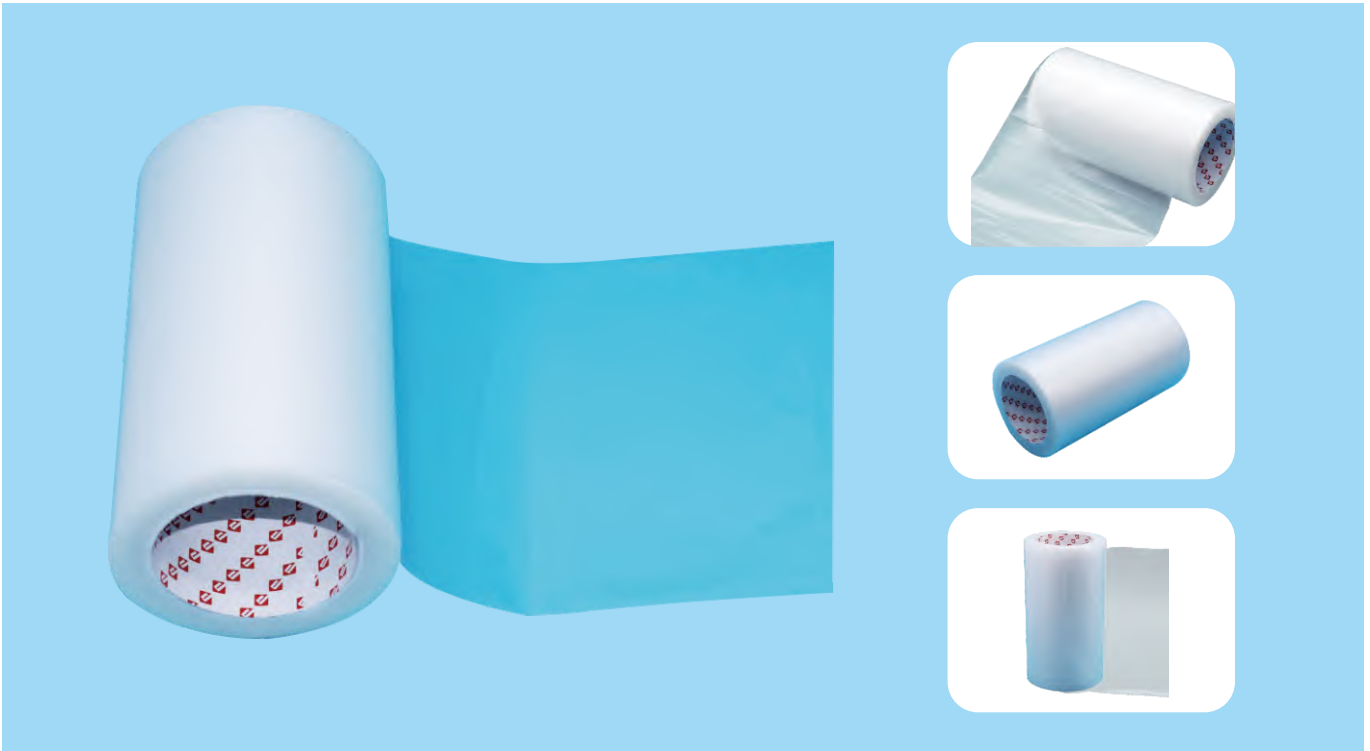
PE electrostatic film is a functional film made of PE as the main material with the addition of electrostatic additives. It is soft and easy to apply, peel without residual adhesive and has excellent exhaust properties.

**Application**

Surface protection for PMMA, PC, ABS, PVC sheets, PET materials, plastic sheets, high-gloss injection plastics, electronic products, touch screens, mirrors and other products.

**Property**

Product Code	P8603	P8604	P8605	P8606	P8608	P8610
Technical Parameters						
Color	Transparent , Blue , Yellow , Green , Red , White ( Customization )					
Total Thickness[um]	30	40	50	60	80	100
Backing	PE	PE	PE	PE	PE	PE
180°Peel Strength[g/inch]	3~1200					
Tensile Strength[Mpam]	≥20	≥20	≥20	≥20	≥20	≥20
Elongation At Break[%]	≥250	≥250	≥250	≥250	≥250	≥250
Shore Hardness	40	40	40	40	40	40
Long-Term Temperature Resistance [°C]	60	60	60	60	60	60
Short-Term Temperature Resistance [°C]	100	100	100	100	100	100



**Introduction**

CPP protective film uses CPP film as carrier, coated with high Performance acrylic pressure sensitive adhesive. It has good adhesion, good adhesive stability, high temperature resistance and no adhesive residue.

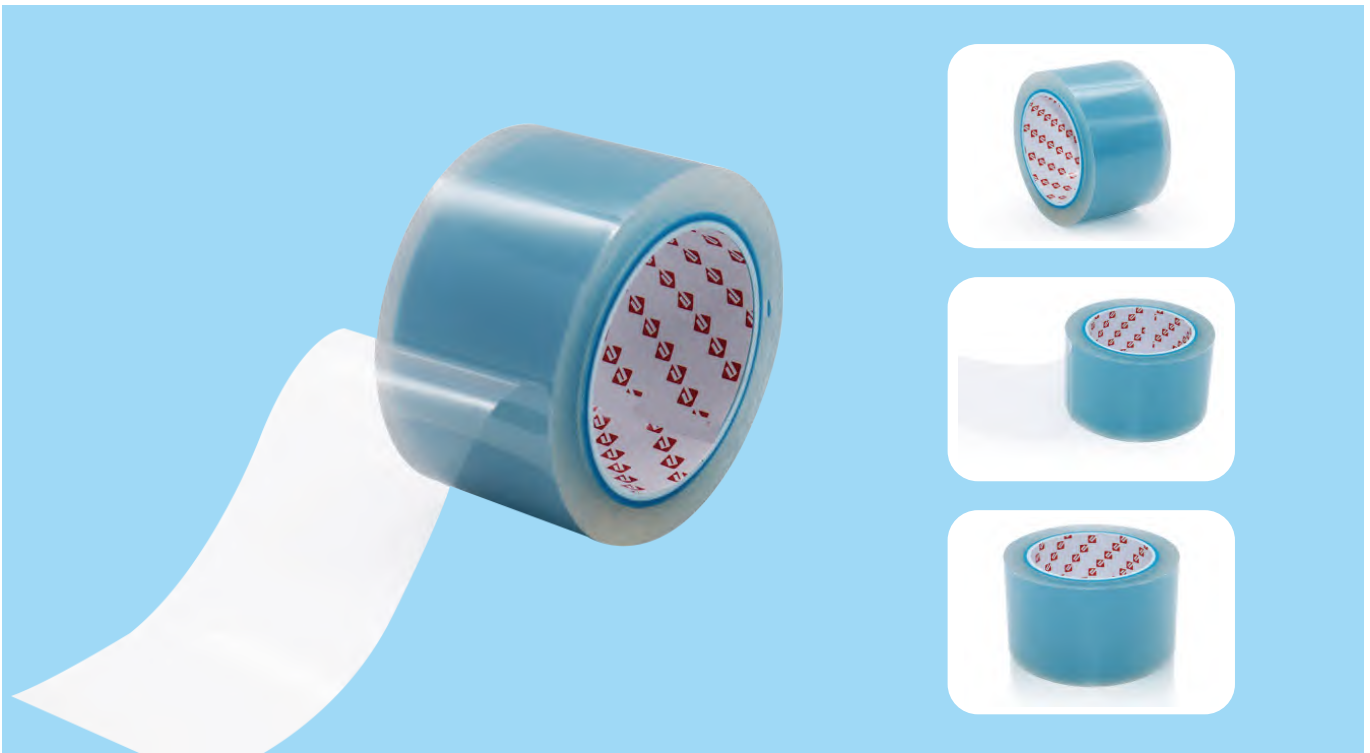
**Application**

Process protection for optoelectronic products, for materials including plastic panels, diffusion films, light intensifiers, aluminium plates, etc.

**Property**

Product Code	P64040	P64043	P64045	P64050	P64060
<b>Technical Parameters</b>					
Color	Matte White	Matte White	Matte White	Matte White	Matte White
Total Thickness[mm]	0.04	0.043	0.045	0.05	0.06
Backing	CPP	CPP	CPP	CPP	CPP
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
180°Peel Strength[g/inch]	1~1200				
Tensile Strength[N/25mm]	30	30	30	30	30
Elongation At Break[%]	400	400	400	400	400
Long-Term Temperature Resistance [°C]	120	120	120	120	120
Short-Term Temperature Resistance [°C]	180	180	180	180	180





**Introduction**

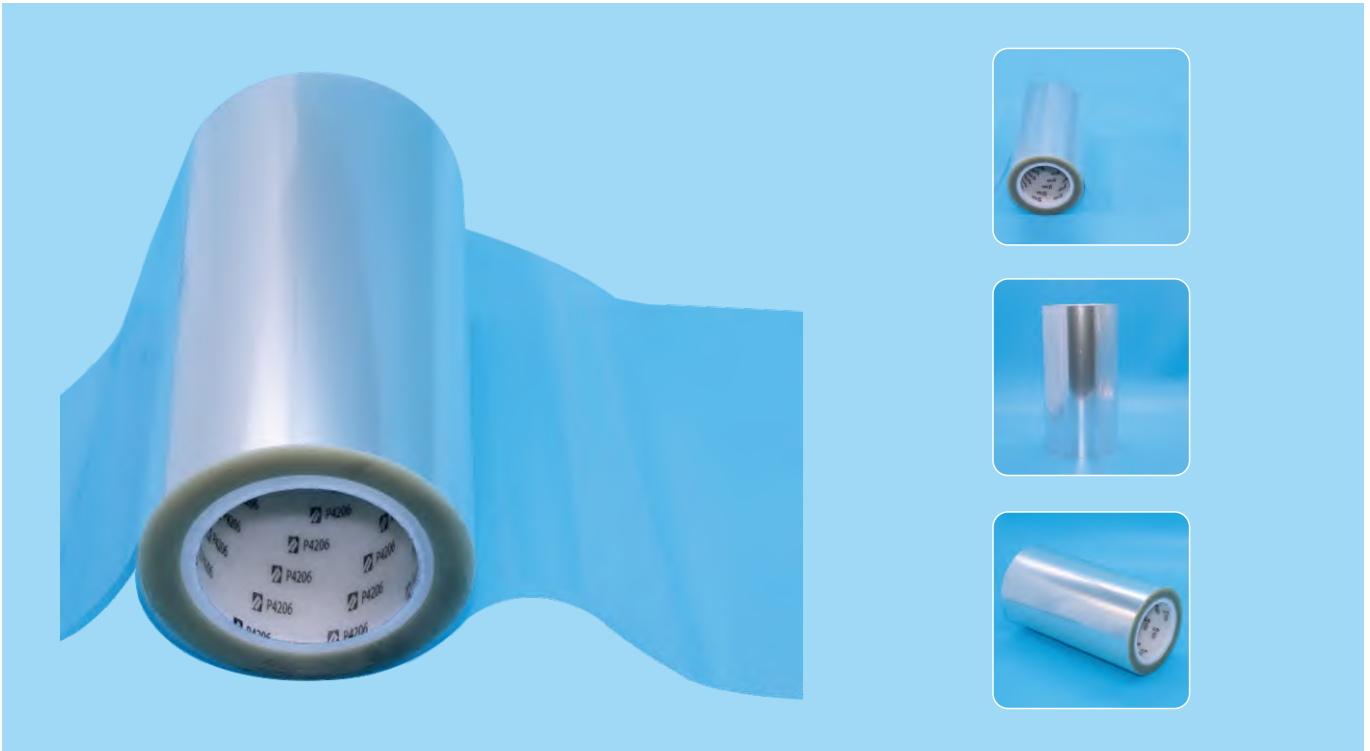
BOPP protective film is made of BOPP (bi-oriented polypropylene) as the base material and coated with acrylic adhesive on one side. It has suitable bonding strength, a flat surface, good adhesion and good flexibility.

**Application**

- ◆ Surface protection of products during transport.
- ◆ Die-cutting protection and transfer of various metal films.
- ◆ Protection of plastic parts such as various plastic housings and keyboards.
- ◆ Die-cutting carrier and re-lamination of various films and tapes and waste removal.

**Property**

Product Code	P4500A3	P4500A6	P4500A9	P4500AL	P45075H
<b>Technical Parameters</b>					
Color	Transparent/White				
Total Thickness[mm]	0.07 ~ 0.09	0.07 ~ 0.09	0.07 ~ 0.09	0.07 ~ 0.09	0.07 ~ 0.09
Backing Thickness[mm]	0.05 ~ 0.07	0.05 ~ 0.07	0.05 ~ 0.07	0.05 ~ 0.07	0.05 ~ 0.07
Backing	BOPP	BOPP	BOPP	BOPP	BOPP
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
180°Peel Strength[g/inch]	3 ~ 5	6 ~ 9	9 ~ 20	20 ~ 40	40 ~ 60
Tensile Strength[N/inch]	180	180	180	180	180
Elongation At Break[%]	130	130	130	130	130
Long-Term Temperature Resistance [°C]	120	120	120	120	120
Short-Term Temperature Resistance [°C]	180	180	180	180	180



**Introduction**

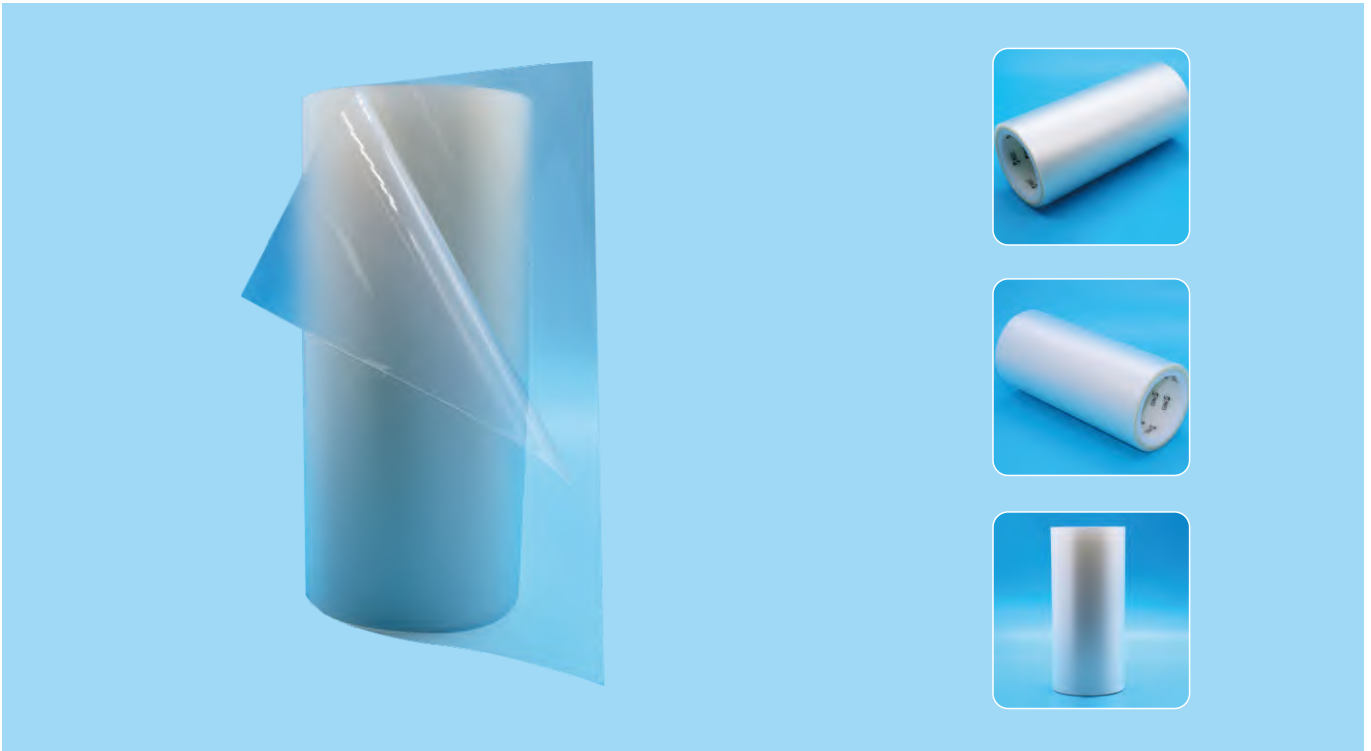
PU protective film is a functional protective film made of transparent PET film as the base material, coated with polyurethane pressure sensitive adhesive and fitted with release film on the back. It has no silicon transfer, good exhaust, high cleanliness, high transmittance, no residual glue, ghostless, viscous stability and other characteristics.

**Application**

Used for all kinds of liquid crystal panels, parts process and shipment protection, suitable for ordinary glass, hardened glass, PMMA and PC and other materials.

**Property**

Product Code	P4206	P4206E	P4206ED	P42085
<b>Technical Parameters</b>				
Color	Transparent	Transparent	Transparent	Transparent
Total Thickness[mm]	0.06	0.06	0.06	0.085
Backing Thickness[mm]	0.05	0.05	0.05	0.075
Backing	PET	PET	Anti-Static PET	PET
Adhesive	PU	Anti-Static PU	Anti-Static PU	PU
180°Peel Strength[gf/inch]	3	3	3	2
Exhaust Performance[S]	≤3	≤3	≤3	≤3
Adhesive Resistance[Ω]	-	10 <sup>9-10</sup>	10 <sup>9-10</sup>	-
Film Resistance[Ω]	-	-	10 <sup>9-10</sup>	-
Tearing Voltage [V]	-	<1000	<1000	-
Long-Term Temperature Resistance [°C]	80	80	80	80
Short-Term Temperature Resistance [°C]	100	100	100	100



**Introduction**

UV tape is made of PET/PO material, coated with high performance UV photosensitive acrylic pressure sensitive adhesive. It has the characteristics of high viscosity before UV irradiation, good adhesion, low viscosity after UV irradiation, no residual glue after tearing, acid and alkali resistance, no pollution to the paste and so on.

**Application**

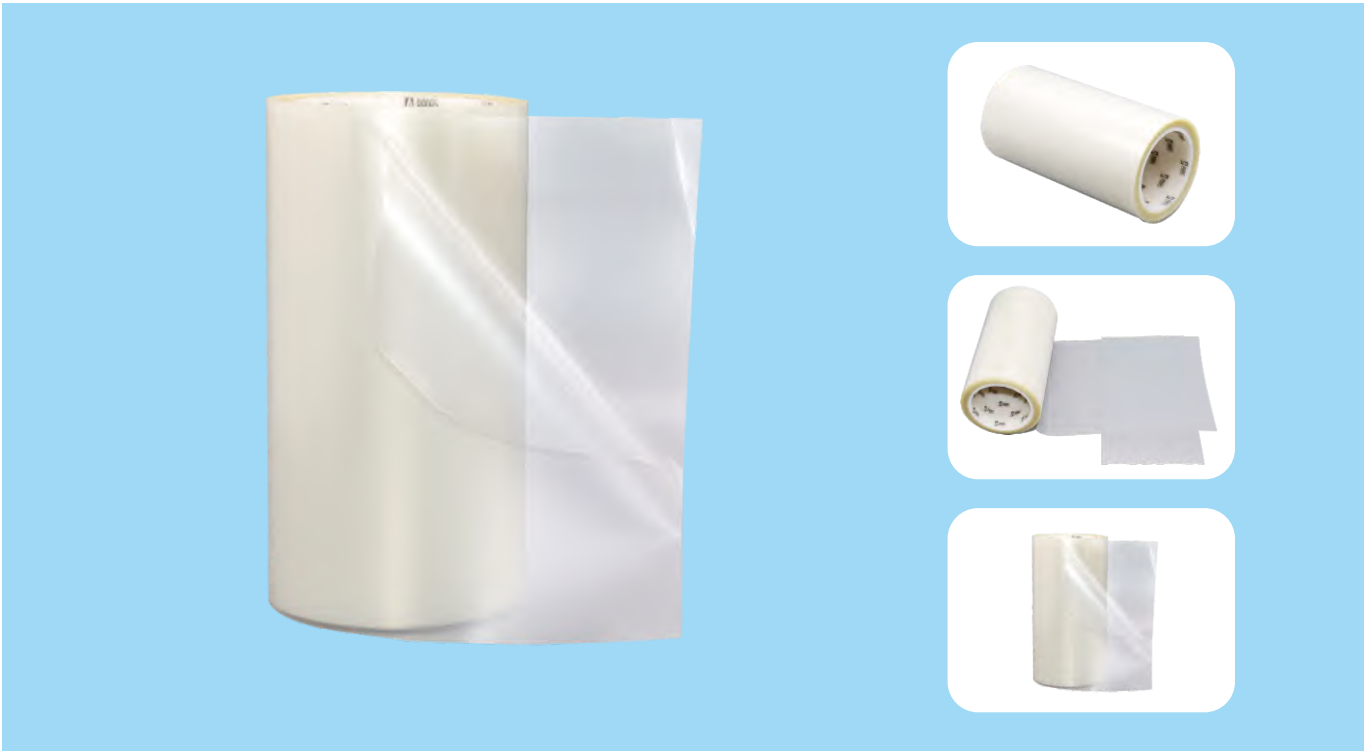
Semiconductor: Dicing of various types of package (BGA/QFN/DFN) , wafer sawing and grinding.

Optoelectronic: Slotting, dicing and pickling of coated glass and ordinary glass.

Others: Process in which work piece should be covered when machining and uncovered after that without adhesive residue.

**Property**

Product Code	P4640	P4611	P4662	P4616	P4618
<b>Technical Parameters</b>					
Color	Translucence	Translucence	Translucence	Translucence	Translucence
Total Thickness[mm]	0.08	0.11	0.155	0.16	0.16
Backing Thickness[mm]	0.05	0.1	0.14	0.14	0.14
Backing	PET	PET	PO	PO	PO
Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
180°Peel Strength ( Before UV ) [N/inch]	20	8	12	10	20
180°Peel Strength ( After UV ) [N/inch]	0.05 ~ 0.1	0.03 ~ 0.06	0.15 ~ 0.25	0.3 ~ 0.5	0.05 ~ 0.1
UV Exposure Rate[mJ/cm2]	300 ~ 500mJ	300 ~ 500mJ	300 ~ 500mJ	300 ~ 500mJ	300 ~ 500mJ
Application	Glass	Glass	MEMS CHIPS	Ceramics	wafer



**Introduction**

Acid resistance film is made of high performance PET film as the base material, coated with special acid and alkali resistant acrylic pressure sensitive adhesive. It has the characteristics of acid and alkali resistance, super corrosion resistance, high temperature resistance, no residual glue

**Application**

TP, glass, steel and other materials such as AG etching process protection, CNC machining surface protection, product transfer and packaging.

**Property**

Product Code	P90060	P90095
<b>Technical Parameters</b>		
Color	Transparent	Transparent
Total Thickness[mm]	0.06	0.095
Backing Thickness[mm]	0.05	0.06
Backing	PET	PET
Adhesive	Acrylic	Acrylic
180°Peel Adhesion[gf/inch]	80 ~ 100	50 ~ 70
Hot-Shrinkage Rate ( 150°C , 5min , MD ) [%]	≤1.5	≤1.5
Hot-Shrinkage Rate ( 150°C , 5min , TD ) [%]	≤1.0	≤1.0
Long-Term Temperature Resistance [°C]	100	100
Short-Term Temperature Resistance [°C]	150	150



**Introduction**

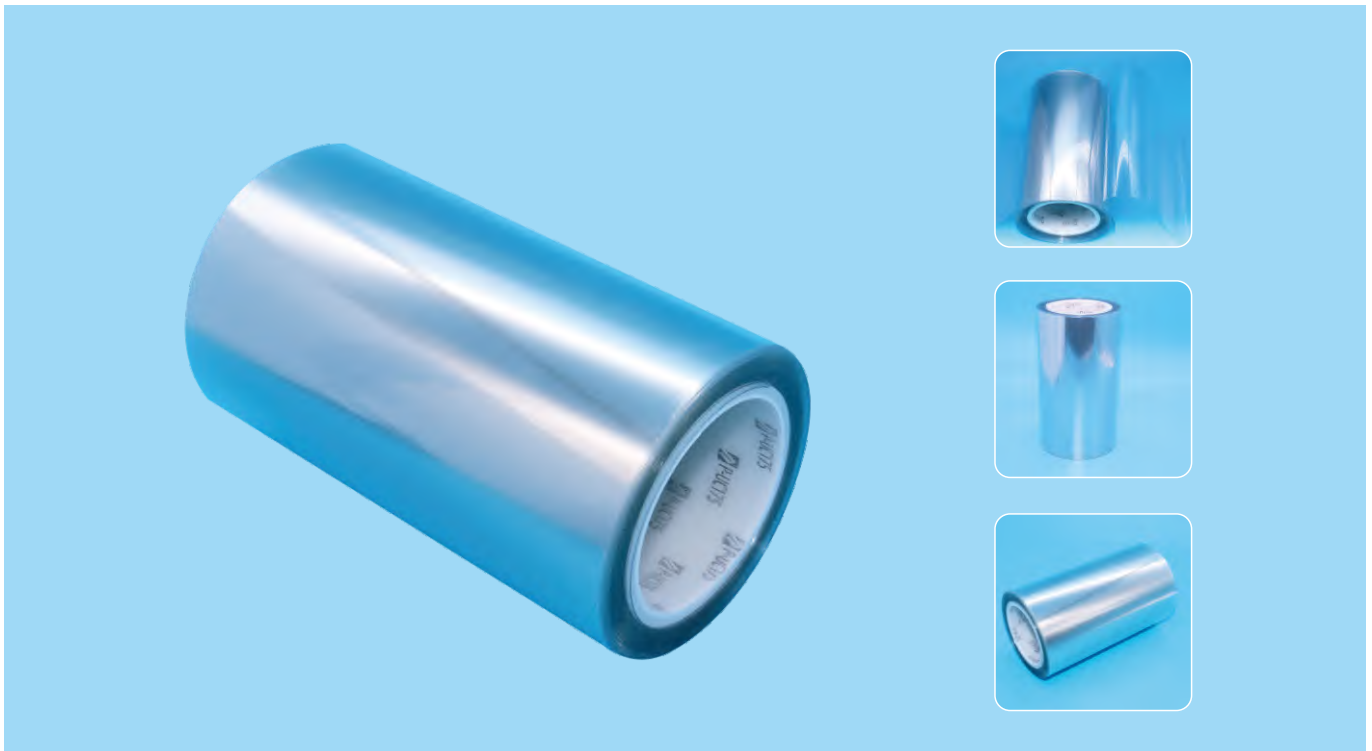
Release film is a functional film with PET/PE as the base material, coated with release agent on one or both sides of the film, so that it is not viscous or slightly viscous after contact with specific materials under limited conditions. It has the characteristics of high cleanliness, low release agent transfer, light release force, good solvent resistance, customizable release force, etc.

**Application**

Tapes, die cutting, electronic process processing, FPC pressing, MLCC protection, polarizing plate protection, OCA protection

**Property**

Product Code	P6200S1	P6200S3	P6200S5	P6200S10	P6200S20	P6200F1	P6200F5	P6200F10	P6200F20
<b>Technical Parameters</b>									
Types	Silicone Oil Release Film					Fluorin Release Flim			
Color	Transparent , Matt , Milky , Red , Blue					Transparent , Matt , Milky , Red , Blue			
Thickness[um]	25 ~ 75	25 ~ 75	25 ~ 75	25 ~ 75	25 ~ 75	25 ~ 75	25 ~ 75	25 ~ 75	25 ~ 75
Backing	PET	PET	PET	PET	PET	PET	PET	PET	PET
Release Force[gf/inch]	1 ~ 3	3 ~ 5	5 ~ 10	10 ~ 20	20 ~ 30	1 ~ 5	5 ~ 10	10 ~ 20	20 ~ 30
Residual Adhesion Rate[%]	≥90	≥90	≥90	≥90	≥90	≥85	≥85	≥85	≥85
Tensile Strength [Horizontal/Mpa]	≥120	≥120	≥120	≥120	≥120	≥120	≥120	≥120	≥120
Tensile Strength [Vertical/Mpa]	≥130	≥130	≥130	≥130	≥130	≥130	≥130	≥130	≥130
Long-Term Temperature Resistance [°C]	120	120	120	120	120	120	120	120	120
Short-Term Temperature Resistance [°C]	200	200	200	200	200	200	200	200	200



## Introduction

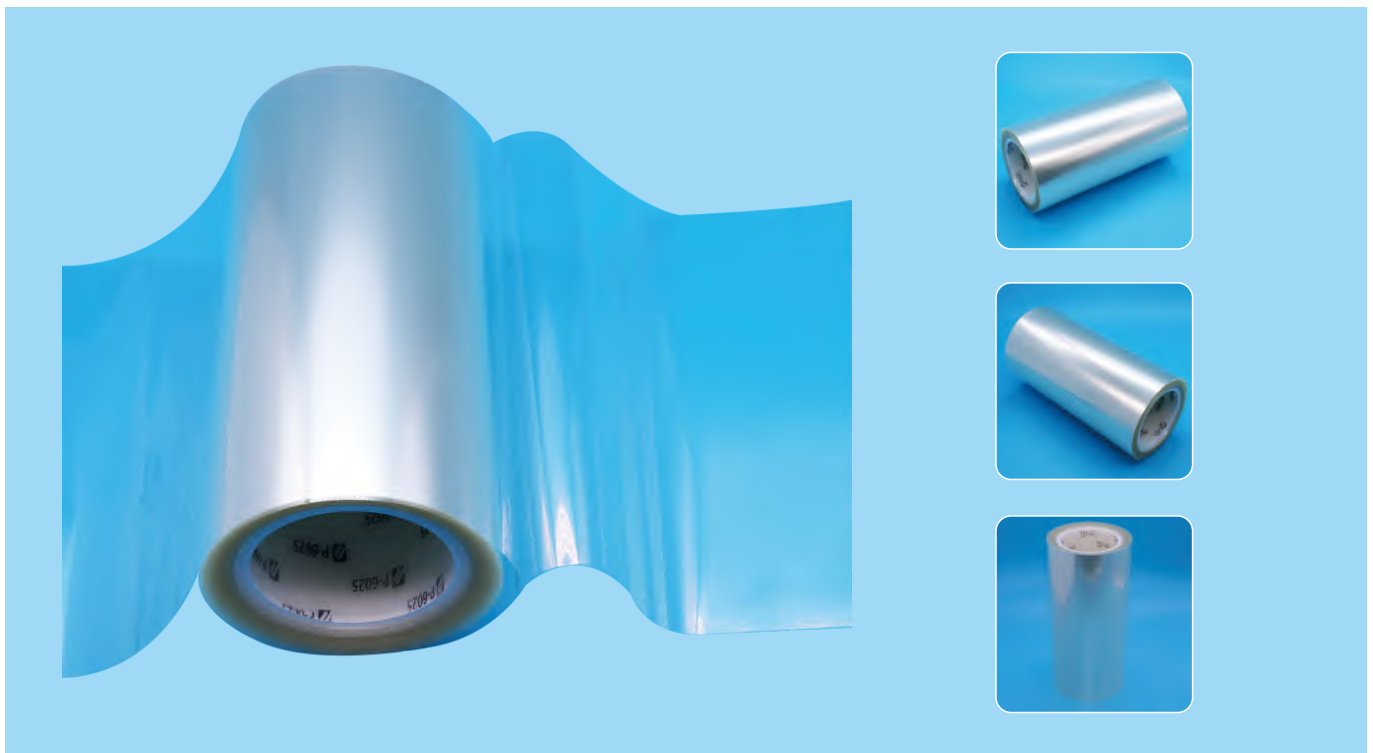
P-UV Series Optical adhesive is UV resistant optical adhesive, which is made of acrylic pressure sensitive adhesive as the main component, and the upper and lower composite release film. It has excellent UV resistance (360-380 band blocking more than 99%), excellent optical properties/acid free, high reliability (UV resistance), high adhesion and other characteristics.

## Application

Charging pile display (outdoor display) (G+F/G+F+F)、Organic EL adopted e-books.

## Property

Product Code	P-UC25	P-UC50	P-UC100	P-UC125	P-UC175	P-UC250
Thickness[um]	25	50	100	125	175	250
Light Release Film Thickness[um]	50	50/75	75	75	75	75
Heavy Release Film Thickness[um]	50/75	75	75	75	75/100	100
Light Transmittance[%]	92.1	92.1	92.1	92.1	92.1	92.1
Haze[%]	0.12	0.12	0.12	0.13	0.13	0.13
Chromatic Aberration[L*a*b*]	96.98 / -0.41 /0.54	96.98 / -0.41 /0.54	96.98 / -0.41 /0.54	96.98 / -0.41 /0.76	96.98 / -0.41 /0.76	96.98 / -0.41 /0.76
Refractive Index[n/25°C]	1.478	1.478	1.478	1.478	1.478	1.478
180°Peel Strength[gf/25 , SUS]	> 800	> 1,000	> 1,200	> 1,400	> 1,500	> 1,900
Retention[Min ( 1,000g,SUS ) ]	>1,000 minutes	>1,000 minutes	>1,000 minutes	>1,000 minutes	>1,000 minutes	>1,000 minutes
Dielectric Constant	3.2	3.2	3.2	3.2	3.2	3.2



**Introduction**

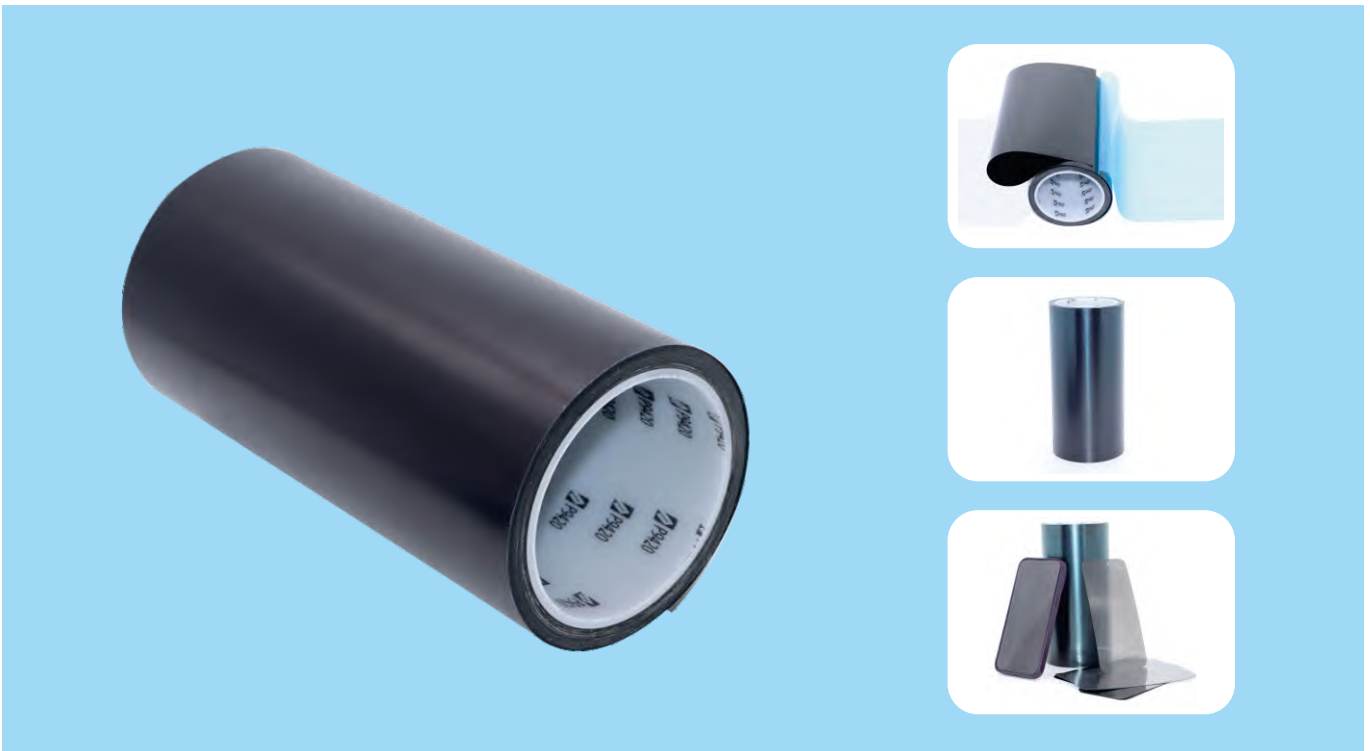
OCA optical adhesive is mainly composed of acrylate pressure sensitive adhesive and is made of a composite release film. It has excellent optical properties/acid free, good functional sheet material compatibility (ITO, AgNW, etc.), excellent reliability, and good differential absorption.

**Application**

- ◆ LCD module and TP are fully bonded.
- ◆ TSP bonding (G/F/F, G/F, P/F, etc.), explosion-proof film bonding, optical compensation film, polarizer bonding.

**Property**

Product Code	P-DB606	P-DB607	P-DB608	P-DB610	P-6015	P-6025	P-6050	P-6125	P-6175
Technical Parameters									
Application	Full Fit OCA				Dedicated To TSP				
Color	Transparent								
Thickness[um]	150	175	200	250	15	25	50	125	175
Light Release Film Thickness[um]	75	75	75	75	50	50	50	50/75	75
Heavy Release Film Thickness[um]	100	100	100	100	50	50/75	50/75	75	75/100
Light Transmittance[%]	93.2	93.2	93.2	93.2	92.3	92.3	92.3	92.3	92.3
Haze[%]	0.15	0.15	0.15	0.15	0.13	0.13	0.13	0.15	0.15
Chromatic Aberration[L*a*b*]	96.86/-0.06/0.14	95.6 / -0.06 /0.14	95.6 / -0.06 /0.14	95.6/-0.06/0.14	96.8/-0.06/0.15	96.8/-0.06/0.15	96.8/-0.06/0.15	96.8/-0.06/0.15	96.8/-0.06/0.15
Refractive Index[n/25°C]	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478	1.478
180°Peel Strength [gf/25mm , SUS]	> 1,300	> 1,500	> 1,800	> 2,000	> 800	> 1,000	> 1,200	> 1,600	> 1,800
Retention[Min ( 1,000g,SUS ) ]	>1,000	>1,000	>1,000	>1,000	>1,000	>1,000	>1,000	>1,000	>1,000
Dielectric Constant	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



**Introduction**

P9400 series is an anti-peek film with special surface treatment and optical display effect of ultra-fine blinds. It has excellent MicroLouver performance (privacy protection), excellent anti-snooping performance (viewing Angle 28 ~ 35°), high Transmittance (Transmittance 60 ~ 70%), different surface treatment can be customized (AG, HC)

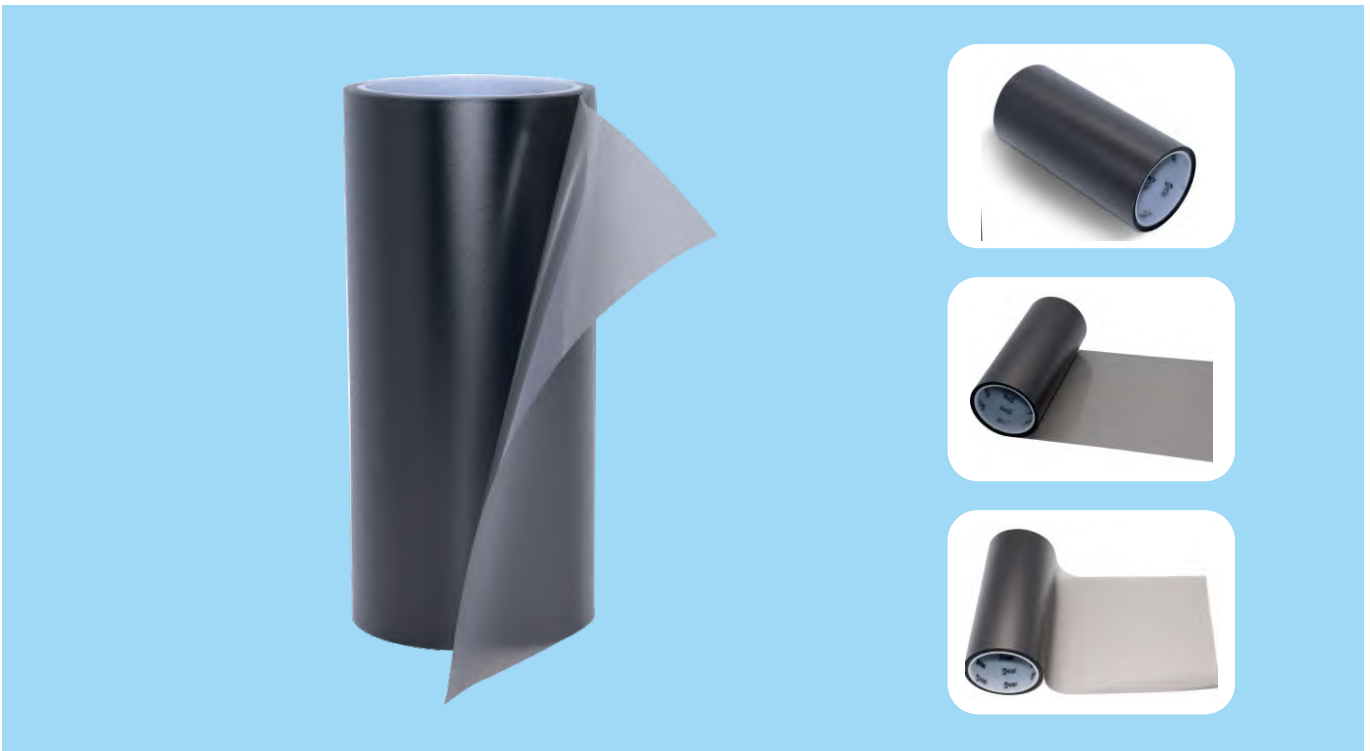
**Application**

Laptop, mobile phone, MNT display privacy protection; ATM, airline display, car display

**Property**

Product Code	P94295AH	P94450AH	P94450AS	P94360AB	P9420
Technical Parameters					
Product name	Privacy Film	Privacy Film	Privacy Film	Privacy Film AB Glue	Privacy film Substrate
Color	Dark Transparent	Dark Transparent	Dark Transparent	Dark Transparent	Dark Transparent
Total Thickness [um]	295	450	450	360	200
Direction Of Anti-peep	2WAY	4WAY	4WAY	2WAY	2WAY
Surface Treatment	AG/HC	AG/HC	AG/Si	AG/HC	-
Angle Of Anti-peep	30D	30D	30D	30D	30D
Transparency[%]	65	50	50	65	65
Surface Hardness	> H	> H	> H	> H	> H
Haze[%]	< 40	< 40	< 40	< 40	< 40





## Introduction

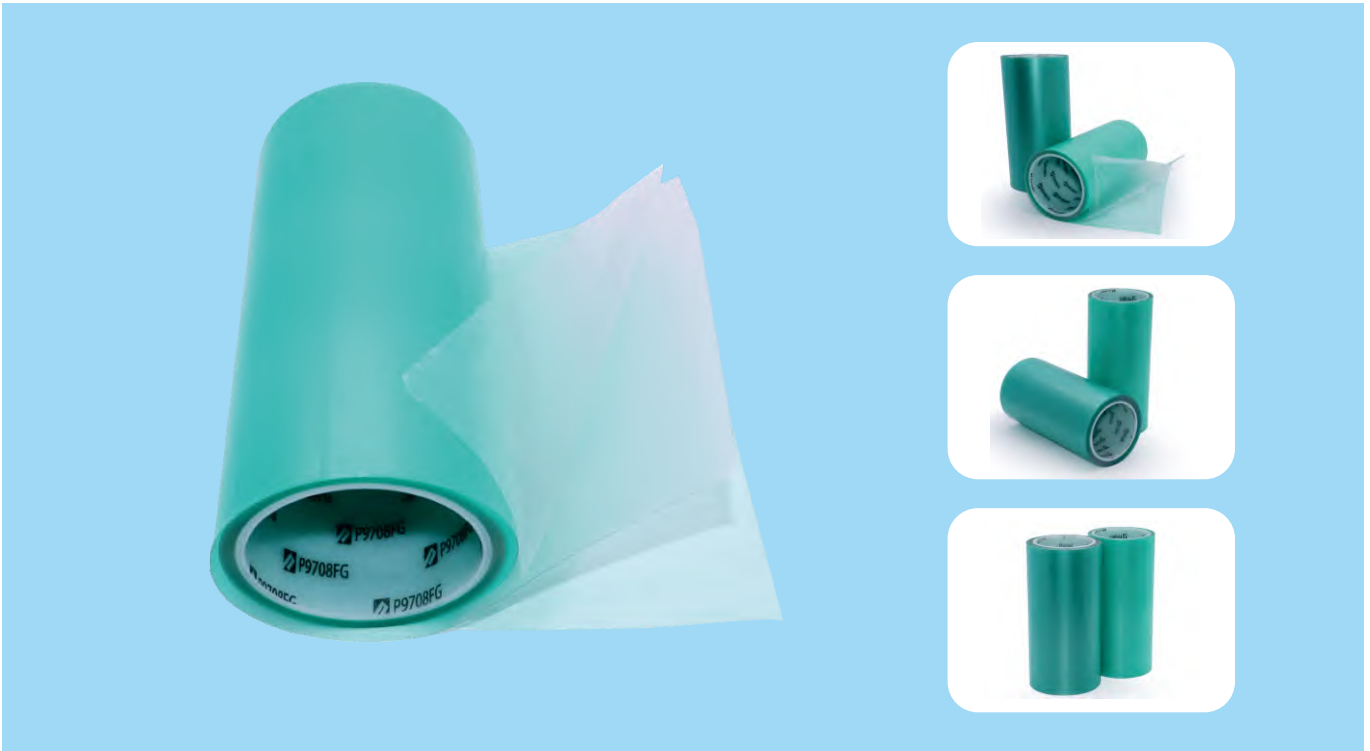
Mini Direct display surface packaging film is made of optical PET as the base material, treated by AG&AF special coating, and then coated with high-performance special AG OCA optical adhesive. It has matte surface effect, excellent reliability (high temperature resistance, high humidity resistance, UV resistance), stable optical characteristics.

## Application

MiniLED Display module surface packaging and laminating provide surface protection and explosion proof laminating for display module.

## Property

Technical Parameters	Product Code	P47065	P47090A
Product Type		AGAF Substrate	AGAF Tape Carrier Package
Color		Black	Black
Total Thickness[mm]		0.06	0.09
Substrate		Optics PET	Optics PET
Adhesive		-	Special AG OCA
180°Peel Strength[N/inch]		-	≥1000
Retention[h]		-	24
Tearing Force[gf/inch]		-	5 ~ 25
Transmittance[%]		65	65
Haze[%]		58	58
Chromatic Aberration[L*a*b]		84.54*0.97*3.06	84.54*0.97*3.06
Glossiness[20 degree]		3.2	3.2
Glossiness[60 degree]		11.7	11.7
Glossiness[85 degree]		21.1	21.1
Adhesion Test[B]		4	4



**Introduction**

Nano Texture PC its substrate is PC, single side coated with UV glue, and then through the mold imprint production.. It features anti-glare, anti-dazzle, anti-scratch, antibacterial, anti-UV, wear resistance, flame retardant .

**Application**

Automotive interior, laptop, mobile phone, tablet, home appliances, decoration, smart furniture, electric vehicle, robot vacuum cleaner and other appearance parts

**Property**

Product Code	P9790G	P9730G	P9732AG	P9745AG	P9760AG	P9777AG	P9780AG	P9708FG	P9710FG
Technical Parameters									
Color	Transparent								
Total Thickness[mm]	0.1 ~ 0.8	0.1 ~ 0.8	0.1 ~ 0.8	0.1 ~ 0.8	0.1 ~ 0.8	0.1 ~ 0.8	0.1 ~ 0.8	0.1 ~ 0.8	0.1 ~ 0.8
Substrate	PC	PC	PC	PC	PC	PC	PC	PC	PC
UV Roughness ( Ra/um )	0.55	0.36	0.52	0.73	1.63	0.79	0.89	0.72	1.21
UV Roughness ( Rz/um )	5.5	4.3	4	4.4	13.32	5.9	6.3	4.8	9.1
Glossiness[%]	18.1	23.6	36.2	26.2	18.4	16	15.7	15.5	17.3
Transparency[%]	56.5	64.8	73.2	67.5	60.3	44.4	37.8	36.8	55.3
Haze[%]	48.8	35.1	22.4	31.3	40.3	62.7	69.1	68.2	44.5
Rate Of Penetration[%]	86.1	85.5	85.2	84.3	84.7	87.5	88.2	87.3	85.5



## Introduction

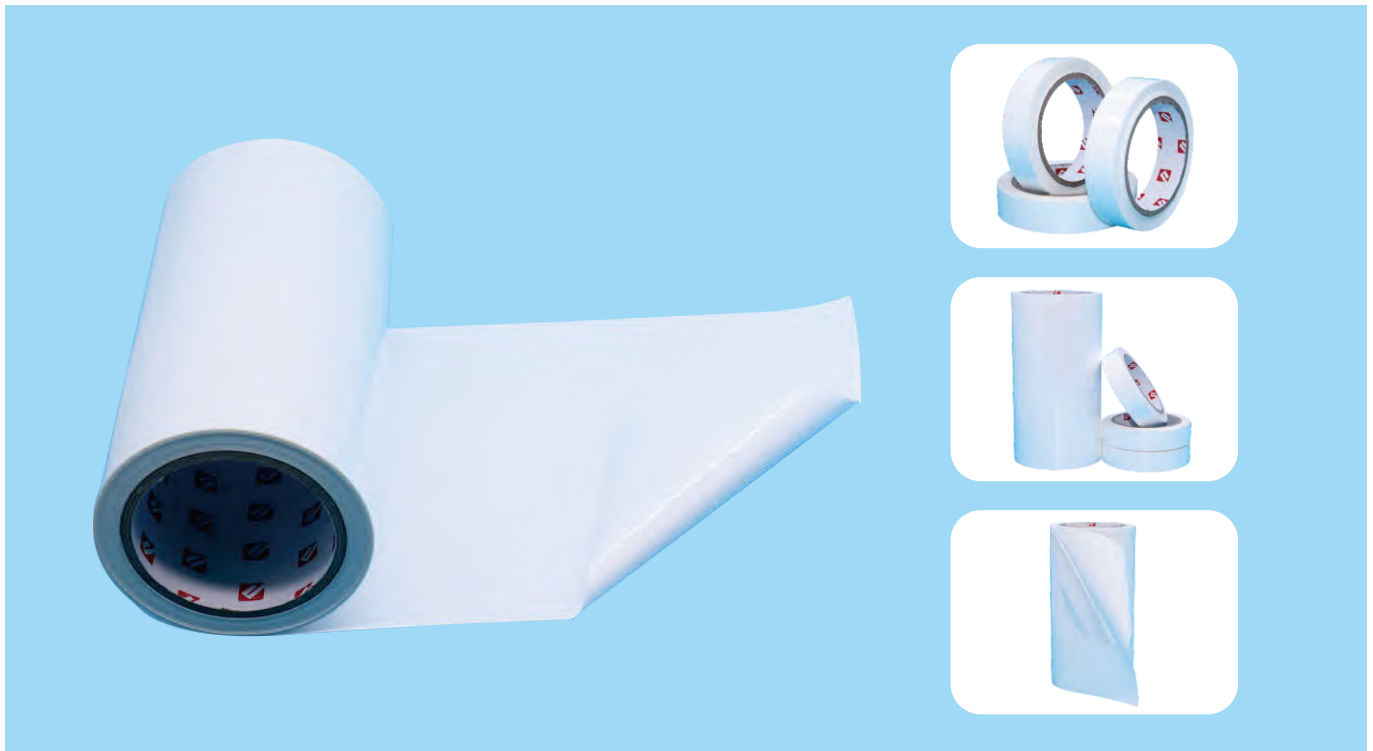
P9100 series is a PP monolayer composite lithium electric diaphragm. Its advantages is that good consistency of product indicators, low cost, high strength, good consistency of thickness and breathability, high puncture strength, high battery safety, thin dry process film .

## Application

3C electronic products; Electric cars, electric motorcycles, electric tools; Large lithium-ion power battery; Large energy storage equipment

## Property

Product Code	P91022	P91024	P91032
Technical Parameters			
Color	White	White	White
Total Thickness[mm]	22	24	32
Air Permeability[Sec/100ml]	340	350	350
Porosity[%]	37	40	39
Puncture Strength[gf]	≥350	≥400	≥450
Tensile Strength ( MD ) [kf/cm <sup>2</sup> ]	≥1200	≥1200	≥1200
Tensile Strength ( TD ) [kf/cm <sup>2</sup> ]	≥110	≥110	≥110
Hot-Shrinkage Rate ( MD ) [%]	≤2.0	≤2.0	≤2.0



**Introduction**

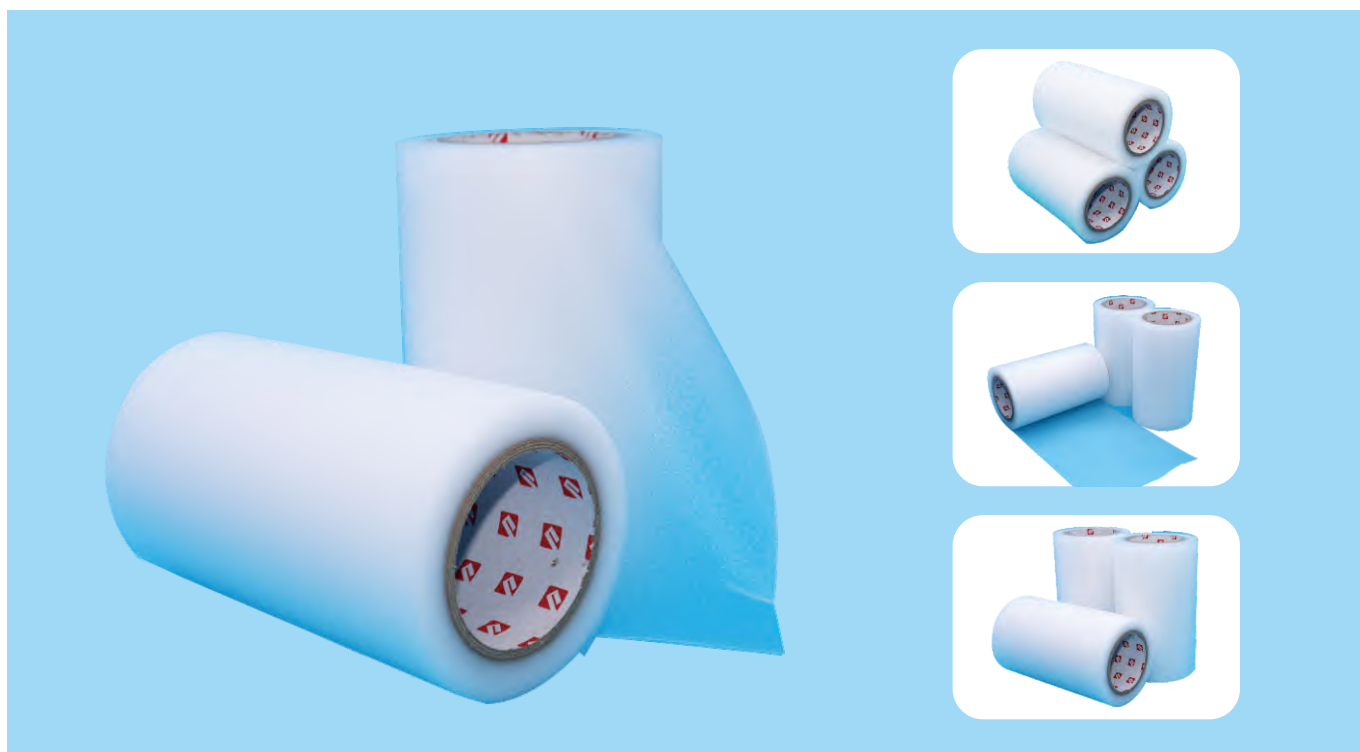
P8700 Series is an aerogel heat insulation film made of nano-insulated aerogel film as the base material and coated with acrylic glue. It has excellent heat insulation, excellent insulation performance, low heat conductivity, heat preservation, combined with heat dissipation film can provide a variety of thermal solutions.

**Application**

Intelligent wearable terminal; Smartphones; Laptop; Display class.

**Property**

Product Code	P8710	P8720	P8730
<b>Technical Parameters</b>			
Color	White	White	White
Total Thickness[mm]	0.1	0.2	0.3
Adhesive Thickness[mm]	0.01	0.01	0.01
Backing	Aerogel Insulation Film	Aerogel Insulation Film	Aerogel Insulation Film
Adhesive	Acrylic	Acrylic	Acrylic
Pyroconductivity W/ ( m•k )	0.018 ~ 0.022	0.018 ~ 0.022	0.018 ~ 0.022
Dielectric Strength[Kv/mm]	≥4	≥4	≥4
Volume Resistivity[Ω•cm]	≥1.0×10 <sup>13</sup>	≥1.0×10 <sup>13</sup>	≥1.0×10 <sup>13</sup>
Long-Term Temperature Resistance [°C]	-20 ~ 120	-20 ~ 120	-20 ~ 120
Short-Term Temperature Resistance [°C]	-40 ~ 130	-40 ~ 130	-40 ~ 130



## Introduction

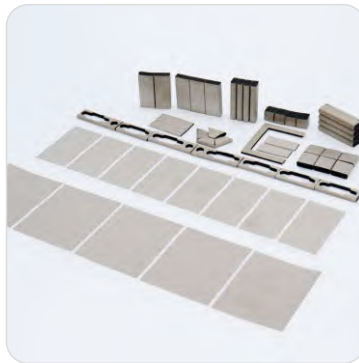
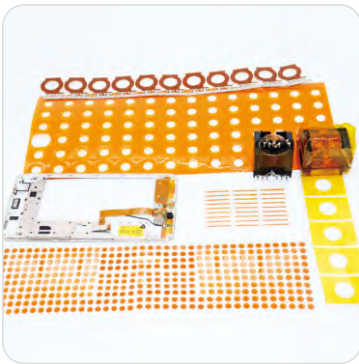
P9300 series is a photovoltaic packaging material prepared by EVA/POE/EVA and POE co-extrusion with a specific formula, which can effectively bond glass, backplane and other materials for a long time to protect and fix solar cells. It has excellent electrical insulation performance, excellent weather resistance (including high temperature resistance, high humidity, UV, etc.), excellent adhesion performance retention rate after aging, better light transmittance, to ensure the power generation efficiency of the component, low shrinkage rate, to ensure the lamination quality stability, can effectively prevent the risk of PID components.

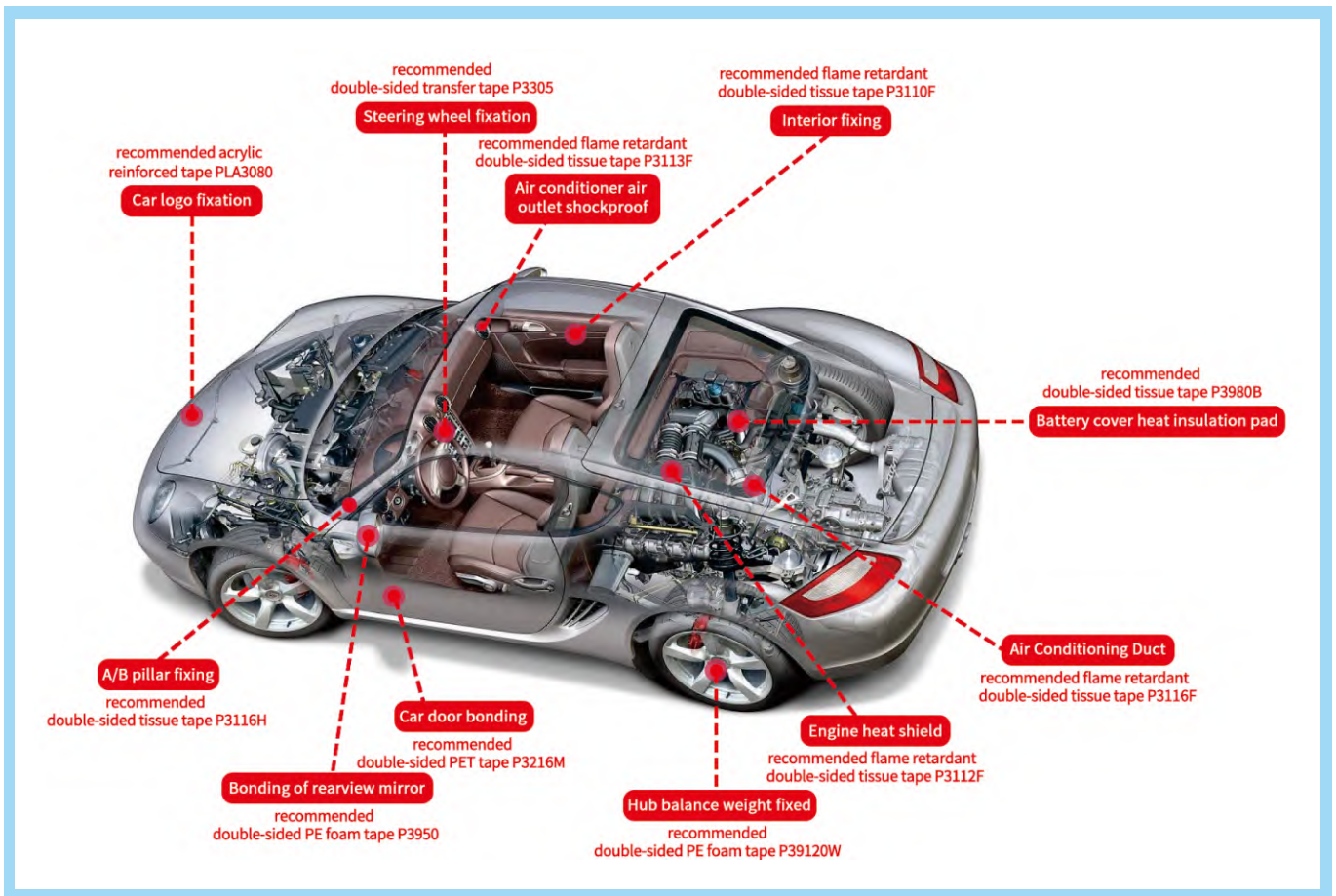
## Application

P type PERC double-sided battery; N type PERT double-sided battery; IBC battery; Single glass component in high moisture environment; Unsealed double glass assembly

## Property

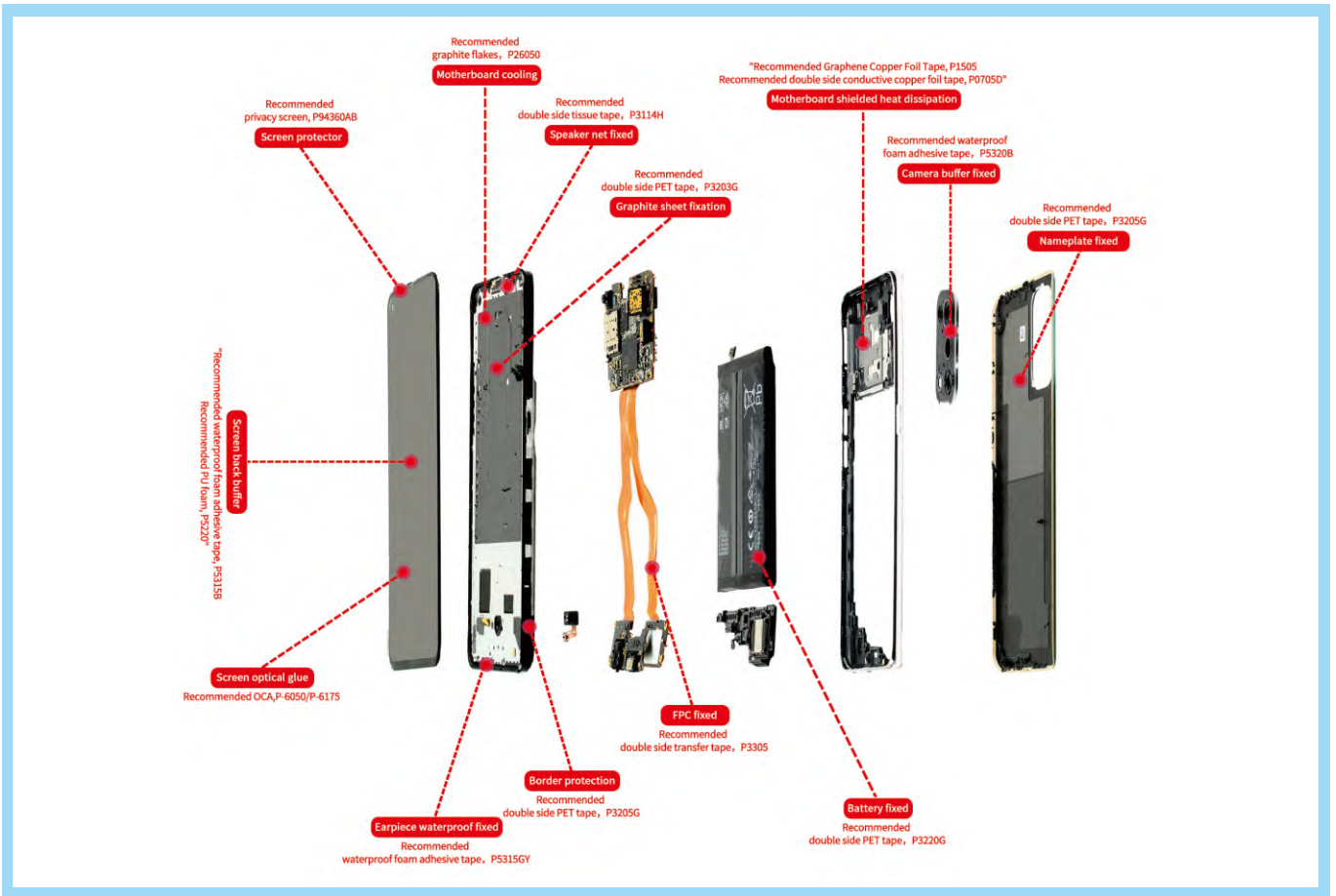
Technical Parameters	Product Code	P9300E	P9300P	P9300EP
Color		White	White	White
Backing		EVA	POE	EVA+POE+EVA
Gram Weight[g/ ]		390 ~ 560	390 ~ 560	390 ~ 560
Density[g/cm <sup>3</sup> ]		0.96	0.87	-
Tensile Strength[Mpa]		≥16	≥10	≥8
Elongation[%]		≥550	≥500	≥400
Peeling Strength (Glass)[N/cm]		≥70	≥70	≥70
Peel Strength (Backboard)[N/cm]		≥40	≥50	≥40
Shrinkage ( MD ) [%]		≤4	≤3	≤4
Shrinkage ( TD ) [%]		≤2	≤2	≤2
Degree Of Crosslinking[%]		≥75	≥70	≥70
Volume Resistivity[Ω•cm]		≥1.0×10 <sup>15</sup>	≥1.0×10 <sup>15</sup>	≥1.0×10 <sup>15</sup>
Transmittance (After Curing) ( 280~380nm ) [%]		≥80	≥80	≥80
Transmittance (After Curing) ( 400~1100nm ) [%]		≥91	≥91	≥90
Uv Aging Yellowing Index[ΔYI]		< 5.0	< 3.0	< 5.0
Dampness-Heat Aging Yellowing Index[ΔYI]		< 5.0	< 3.0	< 5.0





## Property

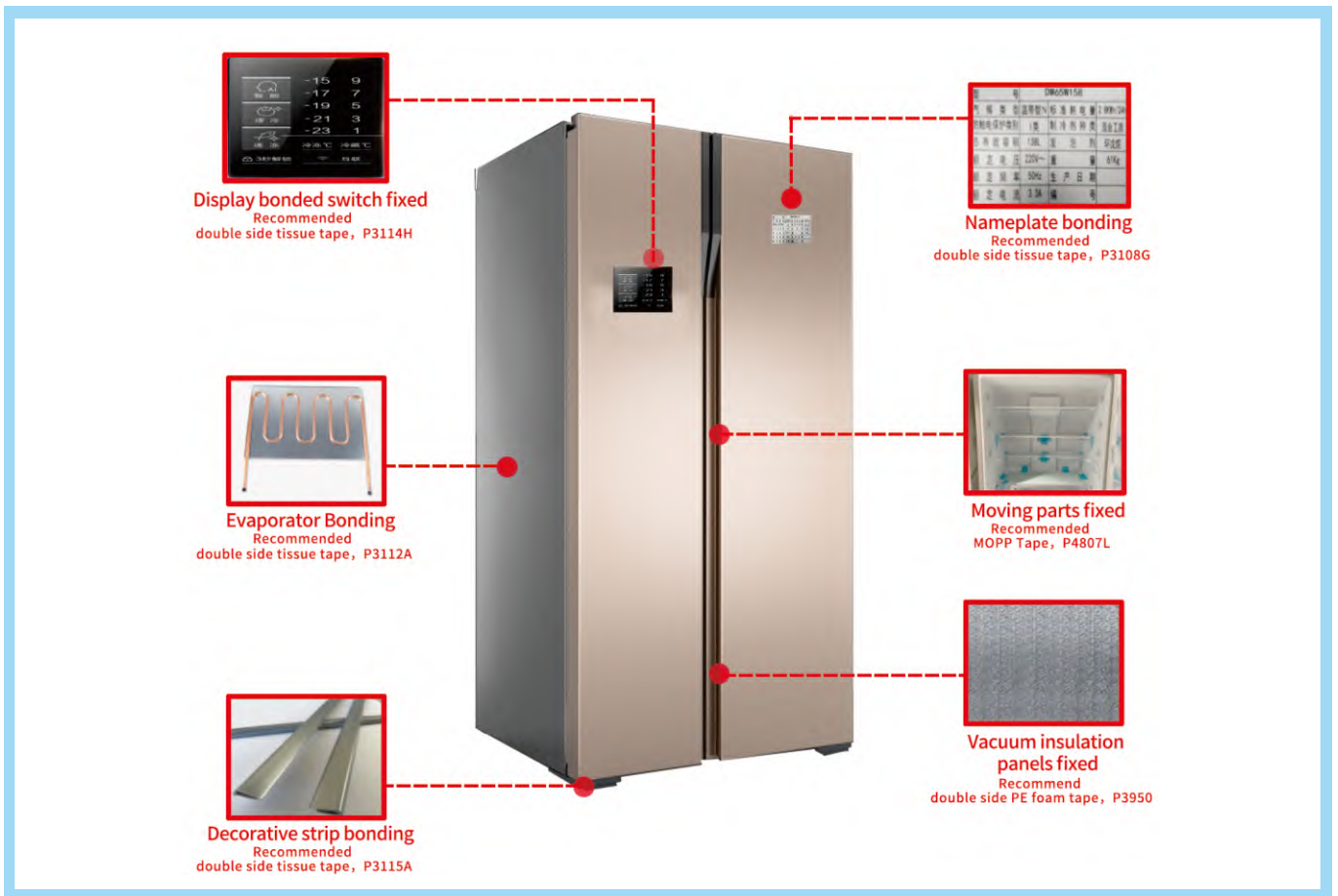
Parts	Application	Product Type	Product Code	Backing	Color	Adhesive	Total Thickness	Flame Retardant Grade	Introduction To Features
Automobile exterior decoration	Auto Logos	Acrylic Reinforced Tape	PLA3080	Acrylic Foam	Black	Acrylic	800µm	-	High adhesion, high retention
	Rearview Mirror	PE Foam Double-Sided Tape	P3950	PE Foam	Black	Acrylic	500µm	-	Good initial tack, good heat resistance, good cushioning
	Car Door	Double Sided PET Tape	P3216M	PET	Transparent	Acrylic	160µm	-	High tensile strength, good chemical resistance
	Hub Balancing Weight	PE Foam Double-Sided Tape	P39120W	PE Foam	Transparent	Acrylic	1120µm	-	Good cushioning and shock resistance, good adhesion to metal surfaces
	A/B Pillar	Double Sided Tissue Tape	P3116H	Tissue	Transparent	Acrylic	160µm	-	High adhesion, stable viscosity
Automotive interior	Interior Fixation	Flame Retardant Tissue Double-Sided Tape	P3110F	Tissue	Transparent	Acrylic	100µm	FMVSS 302	Low VOC, good flame retardancy
	Air Conditioning Outlet Shockproof	Flame Retardant Tissue Double-Sided Tape	P3113F	Tissue	Transparent	Acrylic	130µm	FMVSS 302	Flame retardant, good weather resistance
	Steering Wheel Fixing	Transfer Double-Sided Tape	P3305	-	Transparent	Acrylic	50µm	-	High viscosity, superior adhesion
	Windows Screen	PU Protective Film	P4206	PET	Transparent	PU	60µm	-	High transmittance, good exhaust
Engine	Air Conditioning Duct	Flame Retardant Tissue Double-Sided Tape	P3116F	Tissue	Transparent	Acrylic	160µm	FMVSS 302	Flame retardant, High adhesion, stable viscosity
	Engine Heat Shield	Flame Retardant Tissue Double-Sided Tape	P3112F	Tissue	Transparent	Acrylic	120µm	FMVSS 302	Flame retardant, Excellent weather resistance, stable viscosity
	Battery Cover Isolation Pad	PE Foam Double-Sided Tape	P3980B	PE Foam	Black	Acrylic	800µm	-	Good cushioning and strong adhesion



**Property**

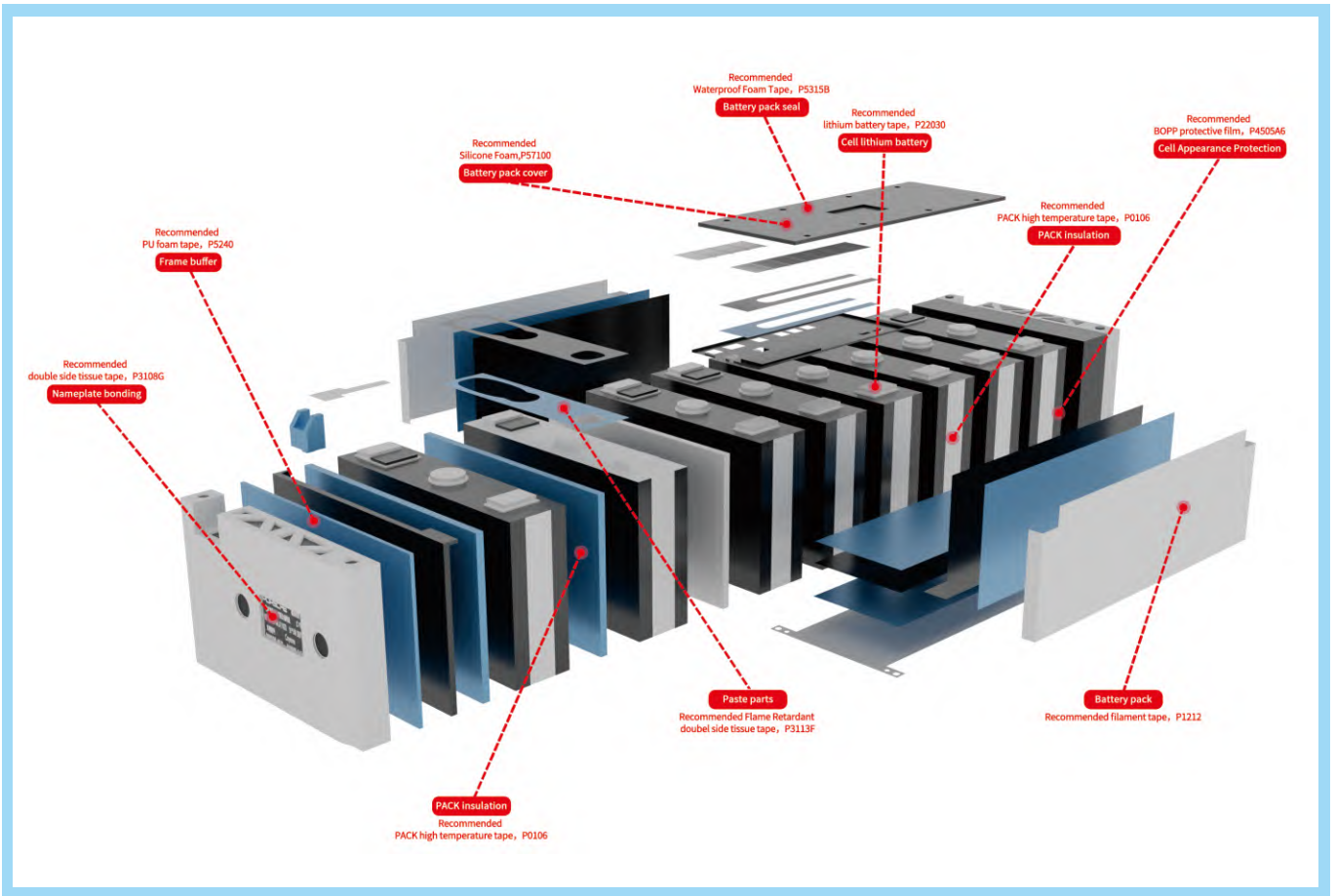
Application	Product Type	Product Code	Backing	Total Thickness [um]	Introduction To Features
Screen Optical Adhesive	OCA Optical Adhesive	P-6050	-	50um	Excellent optical properties / acid-free, good compatibility with functional sheet materials (ITO, AgNW, etc.), Excellent reliability performance, good step difference absorption performance
Screen Optical Adhesive	OCA Optical Adhesive	P-6175	-	175um	Excellent optical properties / acid-free, good compatibility with functional sheet materials (ITO, AgNW, etc.), Excellent reliability performance, good step difference absorption performance
Screen Back Buffer	Waterproof Foam Tape	P5315B	PE Foam	150um	Good cushioning and high bonding strength
Screen Back Buffer	PU Foam	P5220	PU Foam	200um	Good cushioning
Windows Screen	Privacy Film	P94360AB	PET	360um	Excellent MicroLouver performance (privacy protection); excellent anti-peep performance (viewing angle 28-35°); high transmittance performance (Transmittance 60-70%); different surface treatments can be customized (AG, HC)
Main Board Heat Dissipation	Graphite Sheet	P26050	Graphite	50um	High-performance thermal conductive film, high temperature resistance, low resistance
Horn Net Fixation	Double Sided Tissue Tape	P3114H	Tissue	140um	Strong adhesion and stickiness
Graphite Sheet Fixing	Double Sided PET Tape	P3203G	PET	30um	Ultra-thin Total Thickness[um], good adhesion
Mainboard Shield Heat Dissipation	Nano Carbon Copper Foil Tape	P1505	Graphene Copper Foil	50um	Good thermal conductivity, light shading, temperature resistance and shielding performance
Mainboard Shield Heat Dissipation	Double Conductive Copper Foil Tape	P0705D	Copper Foil	50um	Good conductivity and shielding performance
Camera Buffer Fixation	Waterproof Foam Tape	P5320B	PE Foam	200um	Waterproof, excellent bond strength
Nameplate Fixation	Double Sided PET Tape	P3205G	PET	50um	Stable viscosity and firm bonding
Battery Fixation	Double Sided PET Tape	P3220G	PET	205um	Excellent initial tack and high adhesion
FPC Fixed	Double Sided Transfer Tape	P3305	-	50um	Good initial adhesion, suitable for PI surface bonding
Border Protection	Double Sided PET Tape	P3205G	PET	50um	Stable viscosity, good bonding effect
Waterproof Fixing Of Earpiece	Waterproof Foam Tape	P5315GY	PE Foam	150um	Waterproof, high humidity resistance





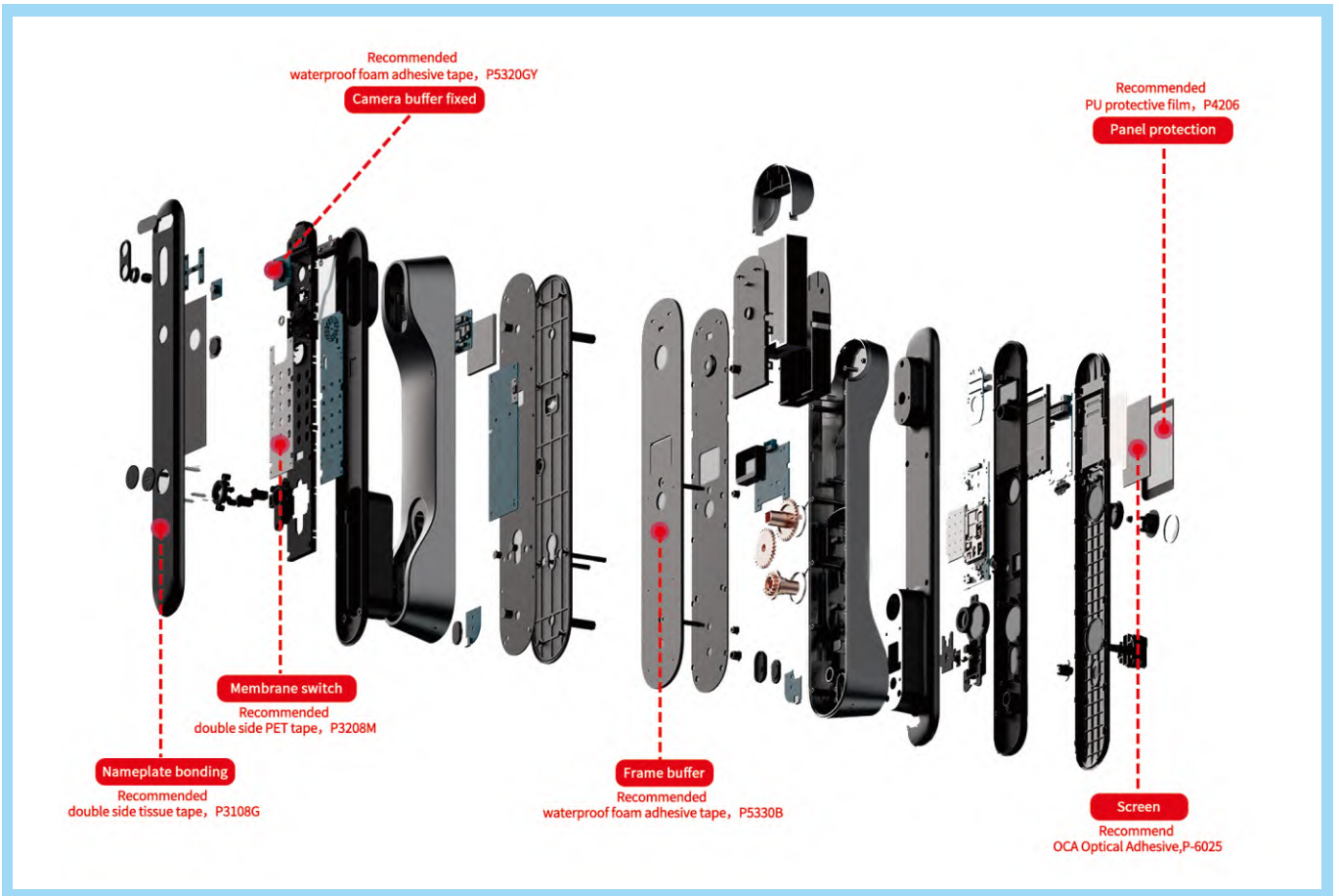
## Property

Application	Product Type	Product Code	Backing	Total Thickness	Introduction To Features
Display Screen Bonding	Double Sided Tissue Tape	P3114H	Tissue	140µm	Easy to die cut, flexible substrate
Evaporator Bonding	Double Sided Tissue Tape	P3112A	Tissue	120µm	High temperature resistance, good adhesion
Decorative Strip Bonding	Double Sided Tissue Tape	P3115A	Tissue	150µm	High bond strength on plastic surfaces
Vacuum Heat Shield Fixing	Double Sided PE Foam Tape	P3950	PE Foam	600µm	High temperature and high humidity
Fixation Of Moving Parts	MOPP Strapping Tape	P4807L	MOPP	75µm	Regular adhesion, low elongation and residue-free removal
Nameplate Bonding	Double Sided Tissue Tape	P3108G	Tissue	80µm	higher initial tack



## Property

Product Type	Product Code	Backing	Aerogel Insulation Film	Introduction To Features
Double Sided Tissue Tape	P3108G	Tissue	80µm	Higher initial tack
PU Foam	P5240	PU Foam	0.4mm	Good cushioning and sealing
Silicone Foam	P57100	Silicone Foam	1mm	High temperature resistance, fire prevention, cushioning and shock absorption, sound insulation
Waterproof Foam Tape	P5315B	PE Foam	150µm	Waterproof, strong viscosity, good shock resistance
Termination Tape	P22030	PET	30µm	Excellent electrolyte resistance, high electrical insulation, good adhesion
Pole Ear Tape	P0106A	PI	60µm	Good breakdown resistance, electrolyte resistance
BOPP Protective Film	P4505A6	BOPP	50µm	Little change over time, no glue residue
Filament tape	P1212	PET Composite Fiber	0.12mm	Reinforced fiber, better tensile strength, better wear resistance, good adhesion, no glue residue
Flame Retardant Tissue Double-Sided Tape	P3113F	Tissue	130µm	Flame retardant (MS300-8), good bonding effect
PACK High Temperature Tape	P0106	PI	60µm	High insulation, voltage resistance, high temperature resistance
Mylar Tape	P16055	PET	55µm	Good insulation performance, good flame retardant effect, solvent resistance
Aerogel Insulation Film	P8720	Aerogel Insulation Film	200µm	Excellent thermal insulation
Lithium Battery Diaphragm	P92022	PP	22µm	High strength, Total Thickness[um] & good air permeability consistency, high puncture strength, high battery safety, thin dry-process film, taking into account energy density and cost advantages
Nomex Paper Tape	P9809	Nomex	90µm	Flame retardant, fireproof, high pressure resistant
Making Tape	P1710	Washi	100µm	Good edge banding effect, high temperature resistance, good fit
EVA Thin-Film Photovoltaics	P9300E	EVA	390 ~ 560g	Effectively prevent the risk of PID in components, superior weather resistance, excellent retention of adhesive performance after aging
EPE Thin-Film Photovoltaics	P9300EP	EVA+POE+EVA	390 ~ 560g	Long-term double-sided cell anti-PID, excellent bonding performance, light transmission performance and long-term weather resistance
POE Thin-Film Photovoltaics	P9300P	POE	390 ~ 560g	Low water vapor transmission rate, excellent anti-PID performance, high insulation, fast crosslinking speed, high adhesion to glass, metal, polymer backplane and other materials, and can maintain long-term adhesion, excellent UV resistance and High temperature and high humidity resistance



**Property**

Application	Product Type	Product Code	Backing	Total Thickness	Introduction To Features
Nameplate Bonding	Double Sided Tissue Tape	P3108G	Tissue	80µm	Higher initial tack
Thin Film Switch	Double Sided PET Tape	P3208M	PET	80µm	Strong adhesion and holding power
Camera	Waterproof Foam Tape	P5320GY	PE Foam	0.2mm	Waterproof, strong adhesion, excellent compression ratio
Frame Bonding	Waterproof Foam Tape	P5330B	PE Foam	0.3mm	Waterproof, good venting performance, good impact absorption
Screen	OCA Optical Adhesive	P-6025	-	25µm	Effectively reduce glare, increase brightness, and improve light transmission
Panel Protection	PU Protective Film	P4206	PET	60µm	Low adhesion, easy to apply, small change in adhesion over time
Speaker Module	Waterproof Foam Tape	P5315B	PE Foam	0.15mm	Waterproof, good venting performance, good impact absorption
Lid Handle	Double Sided PE Foam Tape	P3910	PE Foam	0.1mm	Good shock absorption

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