



With the only honor of house Arnold from Breslau in 1900's, the fourth generation, prof.dr.Sebastian Arnold, decide to restart the family industry as known as 'A'rchs in tooling using history. According to cooperate with the experienced vendor from China, 'a'rchs is on the way back to great again.



## FILM & TAPE

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# INDEX

## HIGH TEMPERARURE SERIES

Page 3



Polyimide film



Single Side  
Polyimide Tape



Double Side  
Polyimide Tape

Page 5



High Temperature  
PET Tape



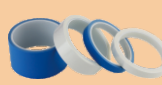
PTFE Film



Teflon Tape

## THERMAL CONDUCTIVE SERIES

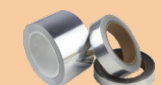
Page 7



Thermal  
Conductive Tape



Aluminum Foil  
Tape



Mylar Aluminum  
Foil tape

Page 9



Double conductive  
Foil tape



Copper Foil Tape



Conductive Cloth  
Tape

## FOAM TAPE SERIES

Page 11



Acrylic Foam tape



PE Foam Tape

## DOUBLE SIDE ADHESIVE SERIES

Page 13



PET Double Side  
Tape



PVC Double Side  
Tape

Page 15



Tissue Double Side  
Tape



Transfer Double Side  
Tape

## INSULATION SERIES

Page 17



Acetate ClothTape



Electrical Mylar Tape



Cloth Tape

## SINGLE SIDE ADHESIVE SERIES

Page 19



Crepe Paper  
Masking Tape



Glass Fiber Tape



Page 23



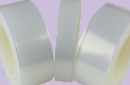
UV Dicing Film



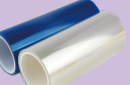
PU Protective Film

## PROTECTIVE FILM SERIES

Page 21



PE Protective Film



PET Protective Film



Page 23



UV Dicing Film



PU Protective Film

## DIE CUTTING SOLUTION

Page 25



Die Cutting

Page 26



Professional  
Equipment

# High Temperature Series



## Polyimide film

### Introduction:

Aerchs Polyimide film has wide range of thickness from 12um to 125um according to customers' requirement.

### Features:

Excellent heat resistance ,excellent chemical stability ,radiation resistance, solvent resistance and easy for die-cutting.

### Application:

Suitable for electronic circuit board wave soldering masking, electrical insulation and high-end finger protection, motor insulation, as well as lithium battery positive and negative and ears fixed. Now it is widely used in aviation, marine, spacecraft, missiles, rockets, atomic energy, electrical and electronic industry and other fields.

Model	Thickness (mm)	Adhesive	Backing	Color	Release Liner	Elongation at break (%)	Insulation strength (MV/m)	Surface resistivity (Ω/inch <sup>2</sup> )	Short-term temperature (°C)	Long-term temperature (°C)
AHS-91025	0.025	NO	Polyimide film	Amber/Black	NO	25%-55%	150	10 <sup>13</sup> -15	350	300
AHS-91038	0.038	NO	Polyimide film	Amber/Black	NO	25%-55%	150	10 <sup>13</sup> -15	350	300
AHS-9105	0.05	NO	Polyimide film	Amber/Black	NO	25%-55%	180	10 <sup>13</sup> -15	350	300
AHS-91075	0.075	NO	Polyimide film	Amber/Black	NO	25%-55%	180	10 <sup>13</sup> -15	350	300
AHS-9106ESD	0.06	NO	Polyimide film	Amber/Black	NO	25%-55%	200	10 <sup>13</sup> -15	350	300



## Single Side Polyimide Tape

### Introduction:

Polyimide tape,use polyimide film as a substrate, coated on high-performance silicone pressure-sensitive adhesive.

### Features:

Excellent shear resistance, excellent heat resistance ,excellent chemical stability ,radiation resistance, solvent resistance and easy for die-cutting.

### Application:

Suitable for electronic circuit board wave soldering masking, electrical insulation and high-end finger protection, motor insulation, as well as lithium battery positive and negative and ears fixed. Now it is widely used in aviation, marine, spacecraft, missiles, rockets, atomic energy, electrical and electronic industry and other fields.

Model	Backing thickness (mm)	Total Thickness (mm)	Adhesive	Backing	Color	Release Liner	Adhesion to Steel (N/25MM)	Elongation at break (%)	Breakdown Voltage (KV)	Anti-Static	Short-term temperature (°C)	Long-term temperature (°C)
AHS-9205	0.025	0.05	Silicone	Polyimide film	Amber/Black	PET film	6±2	25%-55%	3.5-4	/	300	260
AHS-9208	0.05	0.08	Silicone	Polyimide film	Amber	PET film	6±2	25%-55%	5-8	/	300	260
AHS-9212	0.075	0.12	Silicone	Polyimide film	Amber	PET film	7±2	25%-55%	7-10	/	300	260
AHS-9206A	0.025	0.06	Acrylic	Polyimide film	Amber	PET film	10±3	25%-55%	4	/	220	180
AHS-9206ESD	0.025	0.06	Silicone	Polyimide film	Amber	PET film	7±2	25%-55%	5-8	10 <sup>15</sup> -10 <sup>19</sup>	300	260



## Double sided Polyimide tape

### Introduction:

Polyimide tape use polyimide film as a substrate, coated on double side high-performance silicone pressure-sensitive adhesive.

### Features:

Excellent shear resistance, excellent heat resistance ,excellent chemical stability ,radiation resistance, solvent resistance and easy for die-cutting.

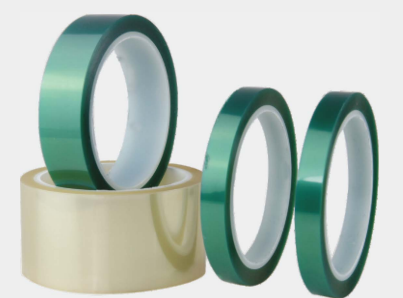
### Application:

Suitable for electronic circuit board wave soldering masking, electrical insulation and high-end finger protection, motor insulation, as well as lithium battery positive and negative and ears fixed. Now it is widely used in aviation, marine, spacecraft, missiles, rockets, atomic energy, electrical and electronic industry and other fields.

Model	Backing thickness (mm)	Total Thickness (mm)	Adhesive	Backing	Color	Face /Back Adhesion to Steel (N/25MM)	Liner	Elongation at break (%)	Breakdown Voltage (KV)	short/Long-term temperature (°C)
AHS-9305	0.025	0.05	Silicone	Polyimide film	Amber	7/6N	Fluro silicone	35%-50%	3.5-4	300/260
5AHS-9309	0.025	0.09	Silicone	Polyimide film	Amber	8/7N	Fluro silicone	35%-50%	3.5-4	300/260
AHS-93125	0.05	0.125	Silicone	Polyimide film	Amber	8/7N	Fluro silicone	35%-50%	5-8	300/260
AHS-93175	0.075	0.175	Silicone	Polyimide film	Amber	8/7N	Fluro silicone	35%-50%	5-8	300/260



# High Temperature Series



## High temperarure PET tape

**Introduction:**  
High temperature PET tape uses polyester film as substrate and coated on silicone pressure-sensitive adhesive .

**Features:**  
Strong adhesion ,high temperature resistance ,solvent resistance, corrosion resistance,anti acid, easily peel off without any residue.

**Application:**  
Suitable for Anodizing. Electronic Assembly General Purpose Masking Masking Electronic Components Powder Coating. Plating Photo Splicing. Shipping and Packaging Plasma spray

Model	Backing/Total Thickness (mm)	Adhesive	Backing	Color	Liner	Adhesion to Steel (N/25MM)	Elongation at break (%)	Voltage resistance (KV)	Anti-Static	Short/Long-term temperature (°C)
AHS-9406	0.025/0.06	Silicone	PET	Light green / Amber/ transparent	No	7±2	35-50%	4-6	/	220/180
AHS-9408	0.05/0.08	Silicone	PET	Light green / Amber/ transparent	No	8±2	35-50%	4-6	/	220/180
AHS-9410	0.075/0.1	Silicone	PET	Light green / Amber/ transparent	No	8±2	35-50%	4-6	/	220/180
AHS-9406ESD	0.025/0.06	Silicone	PET	Light green / Amber/ transparent	No	8±2	35-50%	4-6	10^5-10^9	220/180



## Teflon Film Tape

**Introduction:**  
Teflon film tape is consist of suspension PTFE resin by moulding, sintering, cooling into blank, then cutting and rolling into film.

**Features:**  
Excellent dielectric properties ,ageing-resistance, corrosion resistance, High lubrication and best chemical corrosion resistance.

**Application:**  
Widely used on various dielectric substrate seal and lubrication materials ,electrical insulating parts ,capacitor dielectric , conductor insulation , electrical instrumentation insulation ,etc.

Model	Thickness (mm)	Adhesive	Backing	Color	Release Liner	Tensile Stength (MPA)	Elongation at break (%)	MHZ Dielectric constant Value	Short-term temperature (°C)	Long-term temperature (°C)
AHS-9525	0.025	No	PTFE	White / Bl ackESD	No	≥10	≥100	30	300	260
AHS-9503	0.03	No	PTFE	White / Bl ackESD	No	≥10	≥100	30	300	260
AHS-9505	0.05	No	PTFE	White / Bl ackESD	No	≥10	≥100	30	300	260
AHS-9510	0.1	No	PTFE	White / Bl ackESD	No	≥10	≥100	30	300	260



## PTFE Fiber Glass Tape

**Introduction:**  
PTFE fiber glass tape use glass fiber fabric as substrate, coated with Teflon emulsion dried glass fiber cloth, then coated with a high temperature silicone adhesive.

**Features:**  
Good smooth surface, non stick and chemical resistance , high temperature resistance and insulating properties, it's reusable and easy to replace

**Application:**  
Widely used in packaging ,heat moulding ,laminating ,laminating, sealing and electrical industries etc.

Model	Total/Backing Thickness (mm)	Adhesive	Backing	Color	Peel Adhesion to Steel (N/25MM)	Tensile Strength (N/10MM)	Voltage Resistance (KV)	Surface resistance (Ω)	Insulation Resistance	Short/Long-term temperature (°C)
AHS-9608	0.08/0.05	Silicone	Gl ass fiber cloth	Brown / bl ackESD	6±2	90	5-6	/	10^11	300/260
AHS-9613	0.13/0.08	Silicone	Gl ass fiber cloth	Brown / bl ackESD	7±2	170	5-6	/	10^11	300/260
AHS-9605P	0.05/0.025	Silicone	PTFE	Brown / bl ackESD	7	15	≥15	10^6-9	≥10^5	300/260
AHS-9613P	0.13/0.08	Silicone	PTFE	Brown / bl ackESD	6.5	40	≥15	10^6-9	≥10^5	300/260
AHS-9618P	0.18/0.1	Silicone	PTFE	Brown / bl ackESD	9	65	≥15	10^6-9	≥10^5	300/260

# Thermal Conductive Series



## Thermal Conductive Tape

### Introduction:

Thermally conductive tape use fiber glass cloth as substrate and coated with high-performance acrylic pressure sensitive adhesive.

### Features:

Excellent thermal conductivity ,tearing resistance ,break-down resistance and easy die-cutting.

### Application:

Mainly apply on CPU, LED,PPR heat sink, microprocessor.And power consumption semiconductor. Replacing screws, fasteners and other fixed means. Fixing heat sink on the power supply circuit board, vehicle control circuit board and packaged chips.

Model	Carrier Type	Total-Thickness (mm)	Peel Adhesion (N/25mm)	Initial TackJ.DOW Method No.#	Holding power 1kg/25mm/h	Insulation strength (MV/m)	Thermal Conductivity	Short-term temperature (°C)	Long-term temperature (°C)
AHS-8105	None	0.05	>10.78	8	>48	1KV	1.2	120	180
AHS-8110	None	0.1	>13.72	12	>48	2KV	1.2	120	180
AHS-8125	None	0.25	>13.72	16	>48	6.8KV	1.2	120	180
AHS-8115G	Glass Fabric	0.15	>13.72	14	>48	3KV	1	120	180
AHS-8130G	Glass Fabric	0.3	>13.72	16	>48	7.5KV	1	120	180



## Aluminum Foil Tape

### Introduction:

Aluminum Foil Tapes uses various thickness soft aluminum foil as substrate coated on acrylic adhesive and combined with easy-release liner.

### Features:

Good electrical conductivity and shielding performance , heat resistance and strong adhesion.

### Application:

Mainly apply on air pipe wrapping, refrigerator of factory main raw material. Mobile phones, computer magnetic shielding place and construction industry

Model	Total-Thickness (mm)	Aluminum foil Thickness (mm)	Adhesive	Peel Adhesion (N/25MM)	Initial TackJ.DOW Method No.#	Holding power 1kg/25mm/h	Voltage Resistance (kv)	Short-term temperature (°C)	Long-term temperature (°C)
AHS-8203	0.03	0.01	Conductive Acrylic	1.2	6	≥48	>4	120	80
AHS-8206	0.06	0.025	Conductive Acrylic	1.2	6	≥48	>4	120	80
AHS-8209	0.09	0.05	Conductive Acrylic	1.2	6	≥48	>4	120	80
AHS-8212	0.12	0.075	Conductive Acrylic	1.5	7	≥48	>4	120	80
AHS-8215	0.15	0.1	Conductive Acrylic	1.5	7	≥48	>4	120	80



## Mylar Aluminum Foil Tape

### Introduction:

Mylar Aluminum Foil Tapes uses Aluminum foil and PET as substrate coated with acrylic adhesive and combined with easy-release liner.

### Features:

Good electrical conductivity and shielding performance , heat resistance and strong adhesion.

### Application:

Mainly apply on air pipe wrapping, refrigerator of factory main raw material. Mobile phones, computer magnetic shielding place and construction industry

Model	Total-Thickness (mm)	Aluminum foil Thickness (mm)	Adhesive	Initial TackJ.DOW Method No.#	Peel Adhesion (N/25MM)	Initial Tack	Holding power 1kg/25mm/h	Short-term temperature (°C)	Long-term temperature (°C)
AHS-83055	0.055	0.025	Acrylic	NO.4	≥11.76	6	≥24	150	120
AHS-83068	0.068	0.038	Acrylic	NO.4	≥9.8	6	≥24	150	120
AHS-8308	0.08	0.05	Acrylic	NO.4	≥9.8	6	≥24	150	120
AHS-8313	0.13	0.1	Acrylic	NO.4	≥9.8	7	≥24	150	120

# Thermal Conductive Series



## Double Conductive Foil Tape

### Introduction:

Uses AL/PET as substrate then double side coated on conductive adhesive and combined with easy-release liner

### Features:

Good electrical conductivity and shielding performance , heat resistance and strong adhesion.

### Application:

Mainly apply on air pipe wrapping, refrigerator of factory main raw material. Mobile phones, computer magnetic shielding place and construction industry

Model	Total-Thickness (mm)	Aluminum foil Thickness (mm)	Adhesive	Peel Adhesion (N/25mm)	Initial Tack (PSTC-6/#14m)M	Electrical Resistance (ohm/inch^2)	Holding power 1kg/25mm/h	Short/Long-term temperature (°C)
AHS-84055	0.055	0.025	Conductive Acrylic	≥13.72	<200	<0.1	≥24	150/120
AHS-84068	0.068	0.038	Conductive Acrylic	≥9.8	<200	<0.1	≥24	150/120
AHS-8408	0.08	0.05	Conductive Acrylic	≥9.8	<200	<0.1	≥24	150/120
AHS-8413	0.13	0.1	Conductive Acrylic	≥9.8	<200	<0.1	≥24	150/120



## Coper Foil Tape

### Introduction:

Copper foil tape uses copper foil as substrate and coated with conductive acrylic adhesive.It can be divided into: self-adhesive copper foil, double conductive copper foil tape ,single conductive copper foil tape.

### Features:

High temperature resistance ,strong adhesion ,good conductivity ,excellent shielding performance and easy die-cutting.

### Application:

Mainly apply on all types of transformers, mobile phones, computers, PDA, PDP, LCD monitors, notebook computers, copiers and other electronic products where electromagnetic EMI shielding is demanded.

Model	Backing	Total-Thickness (mm)	Copper foil Thickness (mm)	Peel Adhesion (N/mm)	Surface Resistance (Ω)	Holding power 1kg/25mm/h	Short-term temperature (°C)	Long-term temperature (°C)
AHS-8502	Copper f ilo Nano Carbon copper f ilo	0.02	0.009	1.2	≤0.05	48	120	80
AHS-8505	Copperf ilo Nano Carbon copper f ilo	0.05	0.018	1.2	≤0.05	48	120	80
AHS-8506	Copperf ilo Nano Carbon copper f ilo	0.06	0.025	1.2	≤0.05	48	120	80
AHS-8509	Copper f ilo Nano Carbon copper f ilo	0.09	0.05	1.2	≤0.05	48	120	80
AHS-8512	Copperf ilo	0.12	0.045	/	≤0.03	48	250	220



## Conductive Cloth Tape

### Introduction:

The tape uses conductive cloth as backing then coated with high performance electrically conductive pressure acrylic adhesive and combined with easily peeled off release liner.

### Features:

Good heat-resistance ,shear strength resistance, excellent conductivity and good shielding performance.

### Application:

Mainly apply on computers, mobile phones, wires, cables and other electrical and electronic products, which need high-frequency electromagnetic wave transmission, infinite shielding or isolation of interference.

Model	Total-Thickness (mm)	Backing Thickness (mm)	Adhesive	Peel Adhesion (N/mm)	Resistance (Ω)	Color	Holding power 1kg/25mm/h	Short-term temperature (°C)	Long-term temperature (°C)
AHS-8603	0.03	0.015	Conductive Acrylic	0.8	0.05	Silver Grey/ Black	48	120	80
AHS-8607	0.07	0.05	Conductive Acrylic	1.2	0.05	Silver Grey/ Black	48	120	80
AHS-8610	0.1	0.08	Conductive Acrylic	1.2	0.05	Silver Grey/ Black	72	120	80
AHS-8612	0.12	0.08	Conductive Acrylic	1.5	0.05	Silver Grey/ Black	72	120	80
AHS-8615	0.15	0.025	Conductive Acrylic	1.5	0.05	Silver Grey/ Black	75	120	80

Foam Tape



Acrylic Foam Tape

**Introduction:**  
Acrylic adhesive tape is based on complete acrylic acid as substrate and laminated with paper/film as release liner.

**Features:**  
Strong adhesive force, excellent shock absorption properties and anti-cracking, high temperature resistance, anti-solvent, anti-plasticizer and good sealing.

**Application:**  
Widely used in automotive interior parts, Auto trim, auto glass, auto pedal, seals, surfers, round arc, block flow, plate brake light, home appliances, decoration, curtain wall structural adhesive fixing.

Model	Thickness (mm)	Adhesive Backing		Color	Liner	180° Peel Strength (N/25mm)	Tensile strength (N/10MM)	Short-term temperature (°C)	Long-term temperature (°C)
AHS- 7125	0.25	Acrylic	Acrylic foam	Grey/Black/White/Transparent	PE film	≥35	≥85	150	120
AHS- 7150	0.5	Acrylic	Acrylic foam	Grey/Black/White/Transparent	PE film	≥35	≥75	150	120
AHS- 7164	0.64	Acrylic	Acrylic foam	Grey/Black/White/Transparent	PE film	≥40	≥80	150	120
AHS- 71120	1.2	Acrylic	Acrylic foam	Grey/Black/White/Transparent	PE film	≥40	≥65	150	120
AHS- 71200	2	Acrylic	Acrylic foam	Grey/Black/White/Transparent	PE film	≥50	≥55	150	120



PE Foam Tape

**Introduction:**  
PE foam tape uses PE foam as substrate and coated with a strong sticky acrylic adhesive on both sides.

**Features:**  
Strong adhesive force, waterproof performance, high temperature resistance, anti-UV ability features.

**Application:**  
\* Applied in furniture decorate strips, photo frame  
\* For sealing electronic components and electronic machine, stuffing  
\* For bonding automobile rearview mirror, medical equipment parts  
\* To fix the frame of LCD and FPC  
\* To bond metal and plastic badge  
\* Other special product bonding solutions

Model	Thickness (mm)	Adhesive Backing		Color	Liner	Initial Tack /N	Holding power 1kg/25mm/h	Short-term temperature (°C)	Long-term temperature (°C)
AHS- 7215	0.15	Acrylic	PE foam	Green/Black/White	PE film/Paper	≥17	≥22	149	80
AHS- 7250	0.5	Acrylic	PE foam	Green/Black/White	PE film/Paper	≥17	≥24	149	80
AHS- 72100	1	Acrylic	PE foam	Green/Black/White	PE film/Paper	≥14	≥25	149	80
AHS- 72150	1.5	Acrylic	PE foam	Green/Black/White	PE film/Paper	≥25	≥25	149	80
AHS- 72300	3	Acrylic	PE foam	Green/Black/White	PE film/Paper	≥25	≥25	149	80





PET Double Side Tape

**Introduction:**  
Use PET film as substrate, double-sided coated with acrylic pressure sensitive adhesive.

**Features:**  
High temperature, solvent resistant, stable and reliable With plastic or paper liner. Very high bonding. Suitable for almost all surfaces mounting. Strong tensile strength

**Application:**  
Nameplate and membrane switches mounting and fixing  
Earphone gasket mounting, camera lens fixing, electrical wire fixing  
Microphone dust protection net fixing \*PCB fixing, LCD frame fixing  
LCD gasket mounting \*Battery gasket fixing, battery shell fixing

Model	Thickness (mm)	Adhesive	Backing	Color	Liner	180° Peel Strength (N/25mm)	Short-term temperature (°C)	Long-term temperature (°C)
AHS-51005	0.005	Transparent	PET	Transparent	paper	6	140	80
AHS-5103	0.03	Acrylic	PET	Translucent/Black	paper	14	140	80
AHS-5108	0.08	Acrylic	PET	Translucent/Black	paper	18	140	80
AHS-5110	0.1	Acrylic	PET	Translucent/Black	paper	≥20	140	80
AHS-5120	0.2	Acrylic	PET	Translucent/Black	paper	25	140	80



PVC Double Side Tape

**Introduction:**  
PVC double side tape uses PVC film as the substrate, two-sided coated with acrylic pressure sensitive adhesive.

**Features:**  
Equivalent to Tesa 4970,High initial tack, strong adhesion ,Irregular surface application for its great conformability, Good durability

**Application:**  
Applied to join plastic parts of vehicle ,general decoration and stabilizing , attached electronic parts , glass, nameplate and Etc. Also suitable for sticking metal and plastic.

Model	Thickness (mm)	Adhesive	Backing	Liner	180° Peel Strength N/20MM	Elongation at break (%)	Short-term temperature (°C)	Long-term temperature (°C)
AHS-5224	0.24	Acrylic	PVC	paper	25	35-50	130	80
AHS-5228	0.28	Acrylic	PVC	paper	33	35-50	130	80
AHS-5233	0.33	Acrylic	PVC	paper	33	35-50	130	80



# Double Side Tape



## Tissue Double Side Tape

### Introduction:

Double sided tissue tape uses tissue as substrate and double side coated with solvent based acrylic adhesive.

### Features:

Good heat resistance, durability, waterproof performance, good elasticity anti-vibration, excellent flexibility and easy to tear, it has a strong viscosity with PP, PC, OPP, PE, EVA, PORON, sponge, metal, etc.

### Application:

Shoe and leather industry,furniture, membrane switch, nameplates signs adhesion  
Suitable for adhesion of cars, mobile phones, computers and other electrical components. Sponge, rubber, signs, nameplates, printing, toys and gifts industry and other applications.

Model	Thickness (mm)	Adhesive	Backing	Color	Liner	Adhesion to Steel (N/25mm)	Holding power 1kg/25mm/h	Short-term temperature (°C)	Long-term temperature (°C)
AHS-5306	0.06	Acrylic	Whie Tissue	Transparent	paper	≥14	10	120	75
AHS-53065	0.065	Acrylic	Whie Tissue	White	paper	≥10	10	120	75
AHS-5308	0.08	Acrylic	tissue	White	paper	≥12	10	120	75
AHS-5310	0.1	Acrylic	tissue	White	paper	≥17	10	120	75
AHS-5315	0.15	Acrylic	tissue	White	paper	≥20	10	120	75



## Transier Double Side Tape

### Introduction:

Coating with acrylic pressure sensitive adhesive on the release paper (film) material.

### Features:

Equivalent to 3M 467 acrylic adhesive. Long Term Heat shielding 80°C. Good conformability excellent shear strength. Acrylic adhesive anti acid and alkali.

### Application:

Digital product part permanent bonding such as LCD LED Display Screen Fixation  
Nameplates membrane switch permanent bonding  
Metal parts permanent bonding  
Splicing for Metal processing and paper making industry.

Model	Thickness (mm)	Adhesive	Backing	Color	Liner	180°Peel strength (gf/25mm)	Short-term temperature (°C)	Long-term temperature (°C)
AHS-54025	0.025	Acrylic	No	Transparent	paper	/	121	65
AHS-5405	0.05	Acrylic	No	Transparent	paper	≥1800	171	121
AHS-5413	0.13	Acrylic	No	Transparent	paper	≥2500	171	121

# Insulation Tape



## Acetate Cloth Tape

### Introduction:

Acetate cloth tape uses imported acetate fiber as substrate and coated on rubber adhesive.

### Features:

High temperature resistance ,corrosion resistance, ageing-resistance and high insulation printable and stable property.

### Application:

Widely used on transformer layer insulation and strapping, wire, mobile phones, computers, electronics,etc.

Model	Thickness (mm)	Adhesive	Backing	Color	Adhesion to Steel (N/25mm)	Elongation at break (%)	Voltage resistance (KV)	Retardant	Short/Long-term temperature (°C)
AHS-4108	0.08	Acrylic	acetate cloth	Black/White	1.3	15	≥1.5	Non	120/100
AHS-4112	0.12	Acrylic	acetate cloth	Black/White	1.4	15	≥1.5	flame-retardant	120/100
AHS-4122	0.22	Acrylic	acetate cloth	Black/White	1.5	15	≥1.5	Halogen-free	120/100
AHS-4122UL	0.22	Acrylic	acetate cloth	Black/White	1.3	15	1.5	flame retardant	130/100



## Electrical Mylar Tape

### Introduction:

Electrical Mylar tape uses PET film as substrate and coated with high performance adhesive.

### Features:

Good electric property,High voltage, moisture resistance ,flame resistance、 adhesion and flexibility, weather-resistance.

### Application:

Widely apply on Electrical wire wrapping.  
Connecting ,insulating , repair and cables reinforcing and protecting

Model	Thickness (mm)	Adhesive	Backing	Color	Peel Adhesion (N)	Elongation at break (%)	Electrolytic Corrosion	Tensile Strength (N)	Break-down Voltage (V)	Temperature Resistance (°C)
AHS-4203	0.03	Acrylic	PET Film	Various	≥300	≥80	≥0.98	≥21N	≥5.5V	130
AHS-4205	0.05	Acrylic	PET Film	Various	≥300	≥80	≥0.98	≥21N	≥5.5V	130
AHS-4208	0.08	Acrylic	PET Film	Various	≥300	≥80	≥0.98	≥21N	≥5.5V	130



## Cloth Tape

### Introduction:

Cloth Tape uses polyethylene and gauze fiber as a substrate coated on rubber adhesive.

### Features:

Strong peel strength, tensile strength, ageing resistance, waterproof and anti-corrosion, It is a non-conductive and high viscosity adhesive tape.

### Application:

Mainly used for carton sealing , then suture fight carpet, heavy strapping, waterproof packaging.

Model	Thickness (mm)	Adhesive	Backing	Color	Liner	Adhesion to Steel (N/25mm)	Elongation at break (%)	Tensile Strength (N)	Short-term temperature (°C)	Long-term temperature (°C)
AHS-4328T	0.28	Thermal glue	Polyethylene & fiber gauze	White/ brown	No	2	50	200	60	50
AHS-4328-R	0.28	Rubber	Polyethylene & fiber gauze	White/ brown	No	2	50	200	100	80
AHS-4328-CR	0.28	Rubber	Cotton Cloth	Black	No	2	50	200	100	80



Crepe Paper Masking Tape

Introduction:

Masking tape uses crepe paper as substrate and coated with pressure sensitive adhesive.

Features:

Environment-friendly, with water-based glue, temperature resistance from (60℃- 300℃), good adhesive strength, chemical corrosion, excellent ability to maintain adhesive strength, no residue.

Application:

Widely used in interior decoration, household appliances, paint spraying and high-end luxury cars.

Model	Thickness (mm)	Adhesive	Backing	Color	Adhesion to Steel (N/25mm)	Holding power (Hr)	Tensile Strength (N)	Elongation at break (%)	Short-term temperature (℃)	Long-term temperature (℃)
AHS-3112L	0.12	Acrylic	textured paper	Light yellow	≥5	≥3	≥45	13%	80	50
AHS-3115L	0.15	Acrylic	textured paper	Light yellow	≥7	≥4	≥45	13%	80	50
AHS-3116M	0.16	Acrylic	textured paper	Light yellow	≥8	≥4	≥50	12%	120	80
AHS-3115H	0.15	Silicone	textured paper+PET	Light yellow	≥8	≥4	≥50	12%	300	250
AHS-3122H	0.22	Silicone	textured paper+PET	red	≥7	≥24	≥80	200%	300	250



Glass Fiber Tape

Introduction:

Glass fiber tape use PET and fiber composition as substrate, coated with high viscosity glue.

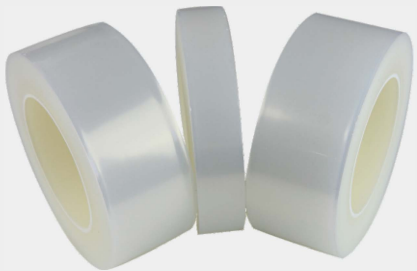
Features:

strong viscosity, strong tensile strength, easy peel off without leaving any adhesive residue, insulation and so on.

Application:

Mainly used for packaging heavy, strong bonding, electrical components fixed

Model	Thickness (mm)	Adhesive	Backing	Color	Liner	Tensile Strength (N)	Adhesion	Elongation at break (%)	Short-term temperature (%)	Long-term temperature (%)
AHS-3211	0.11	Rubber	PET+Glass fiber	White	No	400	8	5%	100	80
AHS-3215R	0.15	Rubber	PET+Glass fiber	White	No	400	8	5%	60	400
AHS-3215	0.15	Acrylic	PET+Glass fiber	White	No	400	8	5%	60	400
AHS-32165	0.165	Acrylic	PET+Glass fiber	White	No	400	8	5%	60	400



PE Protective Film

**Introduction:**  
PE protective film uses a special polyethylene (PE) plastic film as the substrate, coated with acrylic adhesive. According to the density can be divided into high-density , medium density and low density.

**Features:**  
High puncture resistance and high transmitting. Good moisture proof. Different density polyethylene. Good ageing performance, eco-friendly. Easy to be laminated and peeled off.

**Application:**  
Mainly used in metal industry, optical industry, plastic industry, printing industry, wire and cable industry. Used for glass, lenses, high-gloss plastic surfaces, acrylic and other surface protection.

Model	Thickness (mm)	Peel Adhesion ( g/25mm )	Backing	Color	Liner	Short-term temperature (°C)	Long-term temperature (°C)	Main Features
AHS-6105	0.05	3-10	Polyethylene film	Transparent	No	60	50	Multi-adhesion
AHS-6109	0.09	15	Polyethylene film	Transparent	No	60	50	Multi-adhesion
AHS-6114	0.14	600	Polyethylene film	Transparent	No	120	80	Heat Resistance
AHS-6105ESD	0.05	3	Polyethylene film	Transparent	No	65	80	Anti-static
AHS-6105E	0.05	6	Polyethylene film	Transparent	No	65	80	Multi-Adhesion



PET Protective Film

**Introduction:**  
PET protective film uses PET film as a substrate, then coated with acrylic/ silicone adhesive to be multi-adhesion and long-term fitting.

**Features:**  
Good smooth surface, excellent weather resistance, high temperature protection, high transmitting and removed without adhesive residue.

**Application:**  
Used to protect flat panel display panels (LCDs, OLEDs, EL, the PDP, the CRT, touch screens, mobile phones, digital cameras and PDA panel), to avoid scratches and protect the screen panel.

Model	Total Thickness (mm)	Backing	Light transmittance	Backing Thickness (mm)	Liner thickness (mm)	Adhesive	Peel force (g/25mm)	Temperature Resistance	Surface Resistance
AHS-62035	0.035	PET	>80%	0.025	/	Acrylic	5-300	160°C*1H	/
AHS-6205	0.05	PET	>80%	0.036	/	Acrylic	5-300g	160°C*1H	/
AHS-6210	0.1	PET	>80%	0.075	/	Acrylic	5-300	160°C*1H	/
AHS-6212D	0.12	PET	>90%	0.075	0.05	Silicone	1-10	180°C*2h	/
AHS-6205ESD	0.05	PET	>88%	0.036	0.036	Silicone	15-20	120°C*72H	Double Anti-Static





UV Dicing film

Introduction:

UV protective film use PO film or PET film as substrate, coated with acrylic adhesive combine with PET release film.

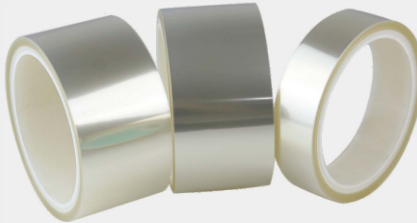
Features:

High transmittance, Strong initial tack , Loss adhesive after UV irradiation

Application:

Mainly applicate on cellphone ,LCD, IPAD for flat glass, glass cutting protection ,circuit board cutting protection, touch screen protection and optical material delivery .

Model	Total Thickness (mm)	Base Film Thickness (mm)	Base Film	Liner	Adhesive	Peel force (After UV)	Tensile Strength (N/10mm)	Elongation (%)	Surface Resistance
AHS-6309	0.09	0.08	PO	PET film	Acrylic	300gf/25mm	MD:21 TD:18	MD:600 TD:600	/
AHS-6313	0.13	0.1	PO	PET-36	Acrylic	1000gf/25mm	MD:26 TD:22	MD:600 TD:600	/
AHS-6317	0.17	0.15	PO	PET-36	Acrylic	1200gf/25mm	MD:38 TD:31	MD:600 TD:600	/
AHS-6306	0.06	0.05	PET	PET-25	Acrylic	800gf/25mm	MD:19 TD:21	MD:140 TD:120	10^9-11
AHS-6313-1	0.13	0.1	PET	PET-36	Acrylic	2000gf/25mm	MD:21TD:23	MD:150 TD:130	10^9-11



PU Protective film

Introduction:

PU Protective Film uses PET Film as substrate, coated with anti-static polyurethane glue adhesive combine with PET release film.

Features:

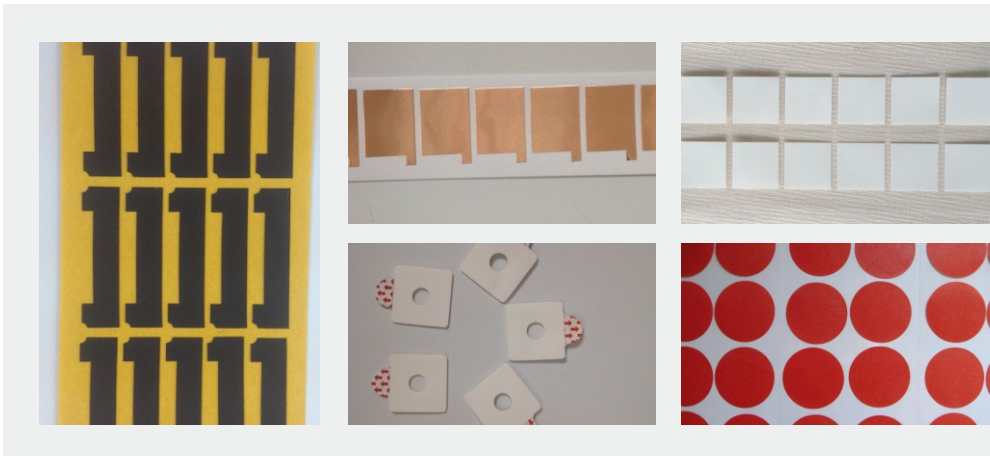
Good smooth surface, excellent weather resistance, high temperature protection, high transmitting and removed without adhesive residue.

Application:

Mainly apply on mobilephone ,LCD, IPAD for flat glass, TP back cover , touch screen protection and optical material delivery.

Model	Total Thickness (mm)	Backing	Backing Thickness (mm)	Liner thickness (mm)	Peel force g/25mm	Temperature Resistance	Film Surface Resistance	PU adhesive Surface Resistance
AHS-6405	0.05	PET	0.036	0.025	1-3	80°C*72H	/	/
AHS-6406	0.06	PET	0.05	0.05	1-3	80°C*72H	10^9-11	10^8-10
AHS-64065	0.065	PET	0.05	0.05	4-6	120°C*2H	10^9-11	10^8-10
AHS-64085	0.085	PET	0.075	0.036	4-6	80°C*72H	10^9-11	/

# Die Cutting Solution



# The Professional Equipment

