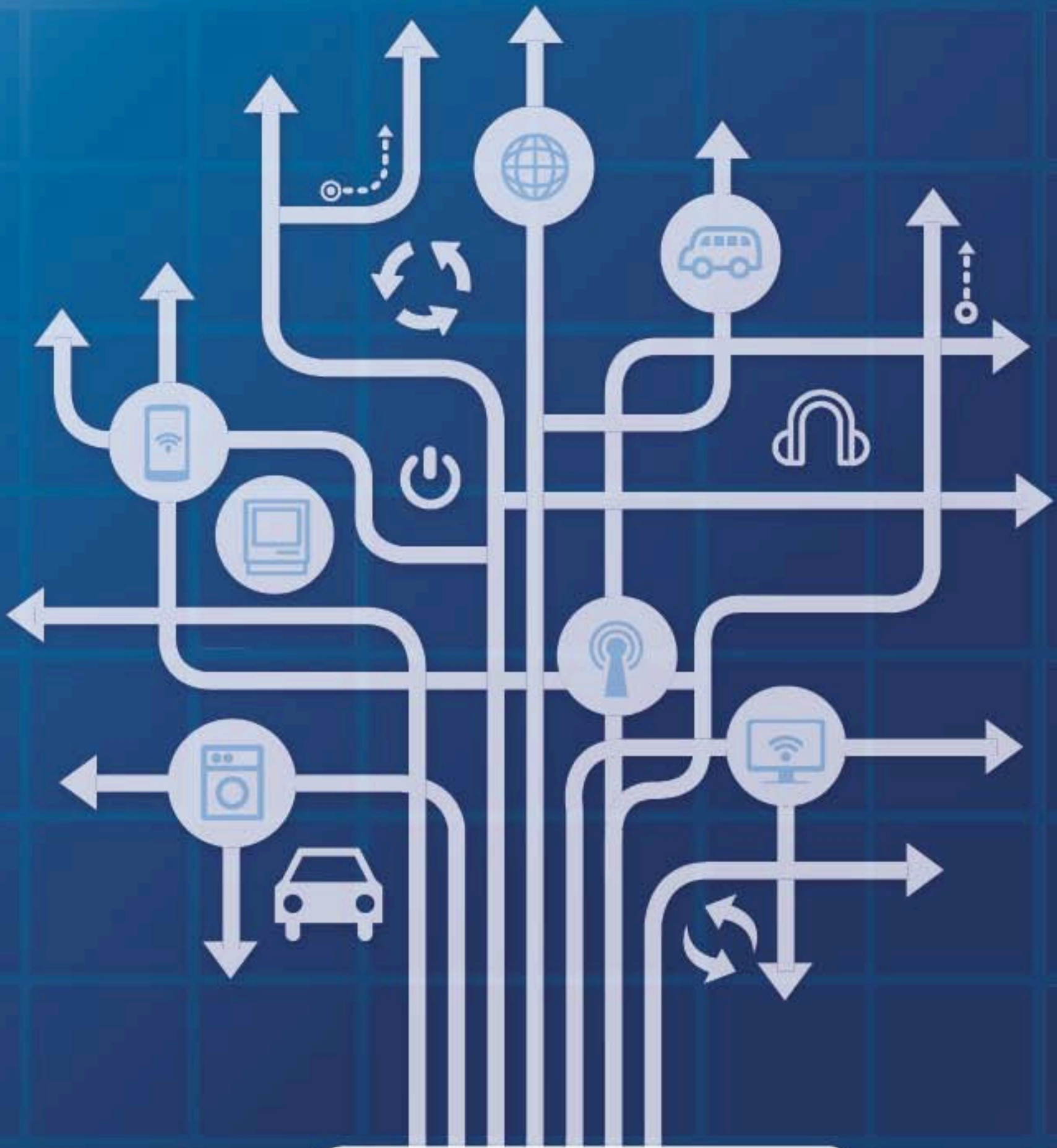


Advanced IT Manufacture And Trading



AIMAT
(주)아이멧

- Industrial Protective
- Films Functional Films
- Optically Films



Product Descriptions

Our company's protective films are made by the GRAVURE coating apparatus.

Acryl adhesives on polyethylene film. Those films are used to protect exterior damages, abrasions, pollutions, and corrosions during various processes.

※ Basic materials and adhesives are configurable according to your preference.

+ AE(Aimat Embo)

>> Properties

1. Dots patterns are designed on the film surface.
2. Adhesive strength are mainly used between 5gf and 40gf.
3. Ambo films are transparent and the dots patterns have well-designed features.

>> Application filed

1. Injection molding products
2. Protect surfaces of Electronic products (TV, refrigerator, washing machine, etc.)

+ AT(Aimat Transparent)

>> Properties

1. AT films have wide-ranging adhesive strength. Between 1.5gf~750gf.
2. Dishing and adhesive transfer do not happen.

>> Application filed

- Surface protection

1. Color steel sheet(luminous intensity:70%~95%)
2. Aluminum composite panel
3. Architectural interior and exterior materials(fire door, sandwich panel, Deco sheet, and marble etc.)
4. Display devices(light guide plate and touch panel).





+ AB(Aimat Blue)

>> Properties

1. Adhesive strength, 300gf~400gf : commonly used for all products
2. Adhesive strength, 40gf : high quality products requiring quite clearness
3. Adhesive strength 150gf~400gf : commonly used for packing and wrapping

>> Application filed

- Surface protection
- 1. Powder coating surface protection products
- 2. Architectural interior and exterior materials(fire door and exterior panel etc.)
- 3. Color or specific steel sheet
- 4. Wrap packing of pallet

+ AI(Aimat Ivory White)

>> Properties

1. Surface protection and discoloration of products from ultra violet
2. Available thickness : 40 μ m~100 μ m
3. Available adhesive strength : 10gf~750gf

>> Application filed

- Surface protection
- 1. Aluminum and PVC sash
- 2. Protect the external surface of the vehicle



+ AOP(Aimat Optical Protect)

>> Properties

1. Surface protection requiring low adhesion.
2. Adhesive transfer does not happen to adhered surface. because adhesive coating process is unnecessary.

>> Application filed

1. Injection molding products
2. Protect surfaces of Electronic products (TV, refrigerator, washing machine, etc.)





+ AW(Aimat White/Black)

>> Properties

1. Superior surface protection from poor environments(ultra violet, acid rain, and salinity etc.)
2. Two series of products(white-black and black-white)

>> Application filed

- Surface protection
- 1. Tempered glass of home appliances
- 2. Stainless products(elevator and kitchen utensils, etc.)

+ AC(Aimat Color)

>> Properties

1. Various color protective films(light blue, orange color, etc.)
2. Production lot management, identity management is easy.
3. Available adhesive strength : 5gf~750gf

>> Application filed

- Surface protection
- 1. BLU(Back Light Unit) series - BLE dummy sheet, Emi mesh, Prism and diffusion sheet
- 2. IT/Display series - IEF, Emi mesh, Acryl, Hard coating sheet, Metalizing sheet, Touch panel

+ AR(Aimat Resistance)

>> Properties

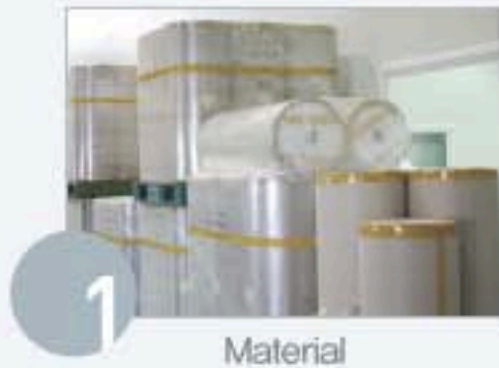
1. Visible thermostability at 100°C~120°C
2. AR films show their strong adhesion in poor environments.

>> Application filed

- Surface protection
- 1. Stainless products(hair line, mirror finish)
- 2. Aluminum anodizing



Production Process



1

Material



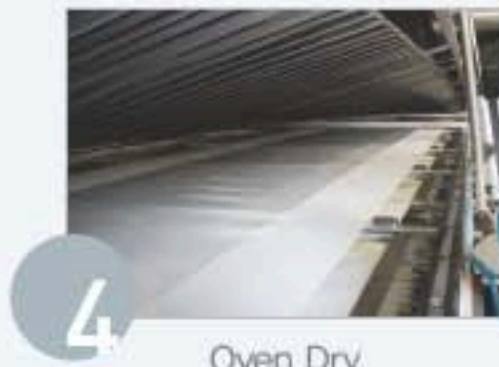
2

Unwinding



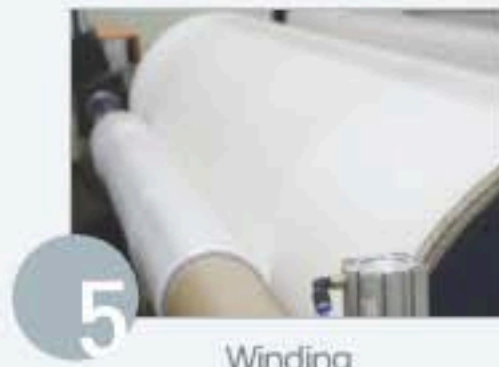
3

Adhesive Coating



4

Oven Dry



5

Winding



6

Aging



7

Peel Test



8

Slitting



9

Packing, Shipping

Production Specification

Product Name	Type	Peel Force (gf)	adhesive	Thick (mm)	Width (mm)	Length (m)max
AE	Embo	5 ~ 40	Acryl	0.04~0.08	1550	3000
AT	Transparent	1.5 ~ 750	Acryl	0.04~0.08	1550	3000
AB	Blue	20 ~ 400	Acryl	0.04~0.08	1550	3000
AI	Ivory	10 ~ 400	Acryl	0.04~0.08	1550	3000
AW	White Black	20 ~ 750	Acryl	0.06~0.10	1550	3000
AOP	Transparent, Color	3 ~ 12	Self-Adhesive	0.05~0.08	1550	3000
AC	Color	5 ~ 750	Acryl	0.04~0.08	1550	3000
AR	Resistance	5 ~ 750	-	0.04~0.08	1550	3000

AIMAT Co., Ltd is always trying to be with customers.
Creativity and innovation will lead the highest quality based.



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