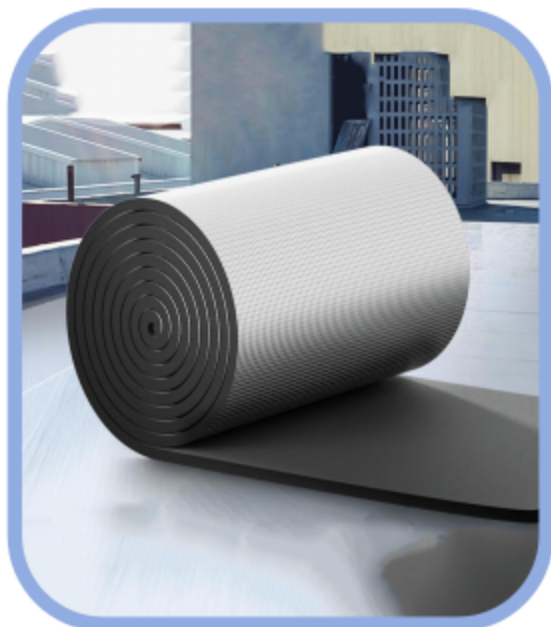


Water proofing & Thermal insulation

# PRODUCT CATALOG



# DING HE

Foil & Film Manufacturer

Since 2001

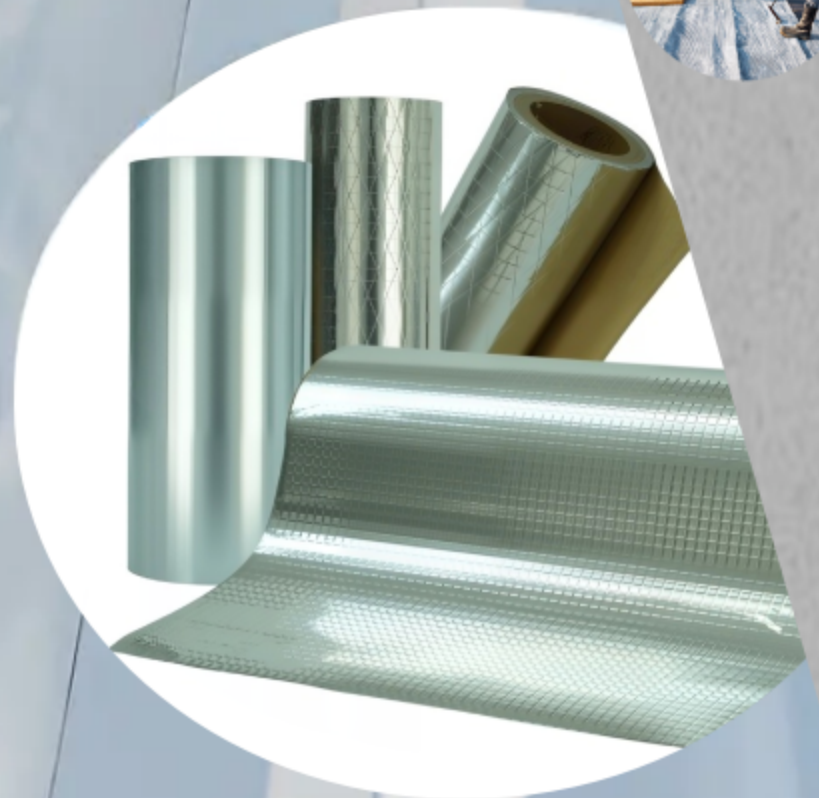
Ding He (est. 2001) is a global leader in ultra-thin aluminum laminate materials, specializing in R&D, manufacturing, and distribution. For 24+ years, we've supplied eco-friendly, lightweight, and durable solutions to 20+ countries, exporting 50% of our 10,000-ton annual production worldwide.

Our expertise in composite materials drives continuous innovation to meet evolving market needs. Quality and sustainability are at the core of our high-performance industrial materials.

The products have widely used for Metal Building Insulation/HVAC Ductwork Engineering/ Inner Roof & Wall Reflective Thermal Insulation/ Out-Wall Thermal Insulation's Facing & Vapor Barrier.

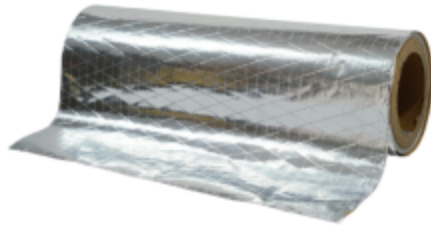


# HOT SELL FOIL FILM





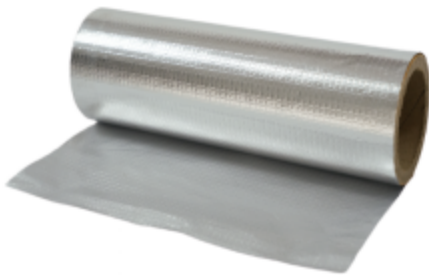
**AL/Scrim/PET**



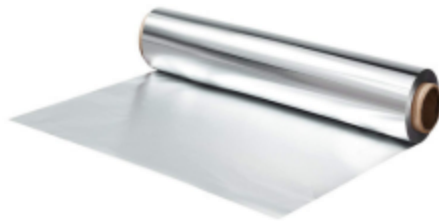
**3-Way Foil Fiberglass**



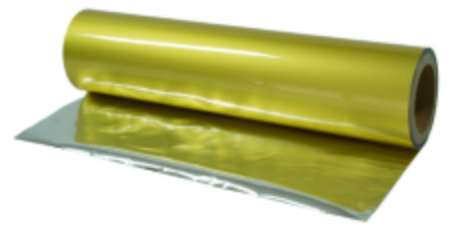
**Foil Kraft Facing**



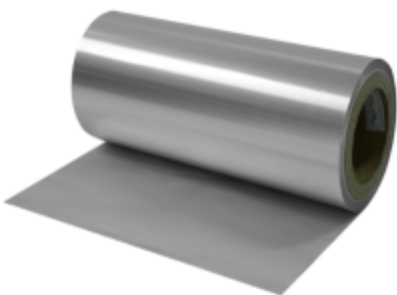
**Embossed AL/PET**



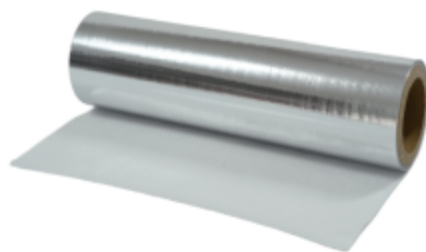
**PET/AL/PE**



**AL/PET/VMPET**



**AL/PET**

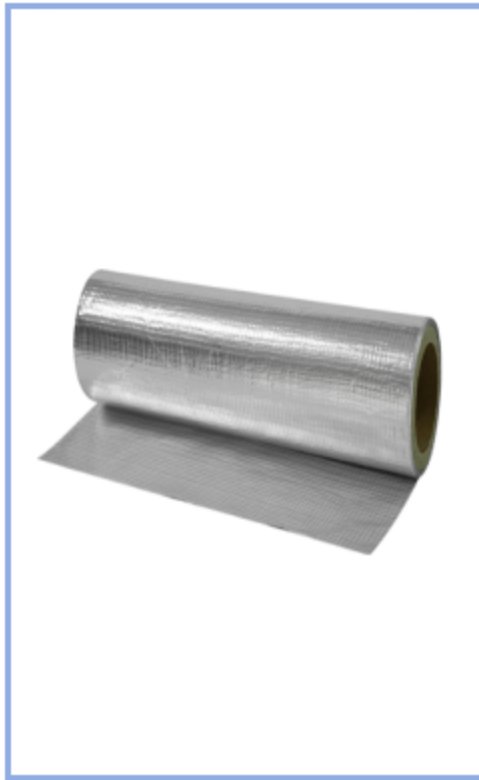
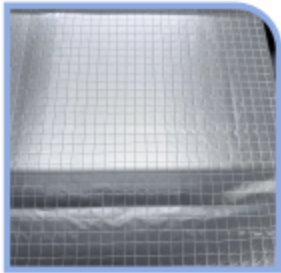
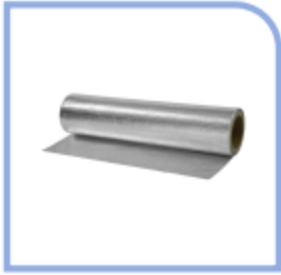


**Foil Woven Fabric**



**Foil Fiberglass Fabric**

# Sales Collection



## AL/Scrim/PET

AL Scrim-Reinforced PET Triplex Film is industrial laminate composed of Aluminum Foil (AL), Reinforcing Fiberglass Scrim, and Polyester Film (PET). This advanced triplex structure combines the excellent barrier and reflective properties of aluminum foil, the high tensile strength and dimensional stability of fiberglass scrim, and the durability and chemical resistance of PET film. Fiberglass scrim provides outstanding tear, ensuring mechanical durability. DINGHE's AL Scrim-Reinforced PET Triplex Film offers flexible customization to meet diverse industrial requirements. Both the aluminum foil and PET layer thicknesses can be tailored, along with the density of the scrim reinforcement. In addition, roll width and length can be adjusted according to customer specifications. These customization options are part of DINGHE's standard manufacturing service.

## SPECIFICATIONS

**Color**

Sliver

**Inner Diameter (mm)**

76 / 152

**Slitting Width (mm)**

≤ 1500

**Outside Diameter (mm)**

≤ 700

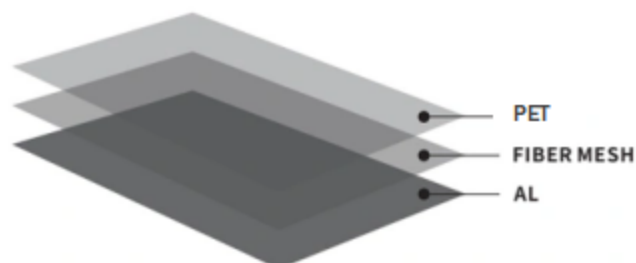
**PET Thickness (mm)**

0.01 ~ 0.10

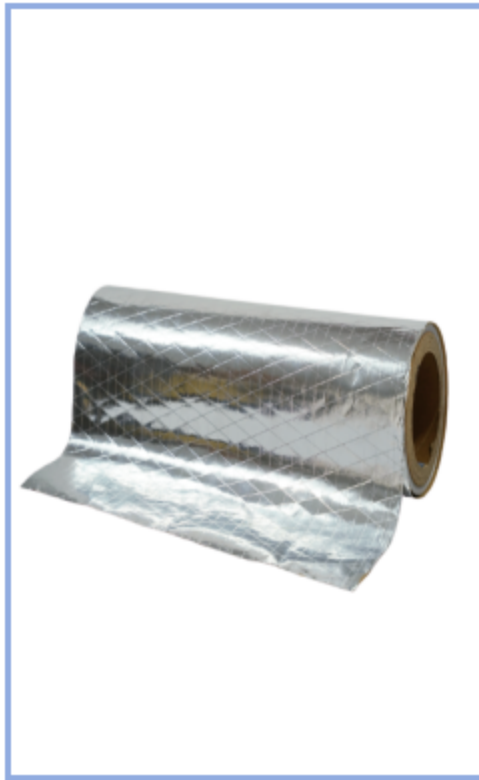
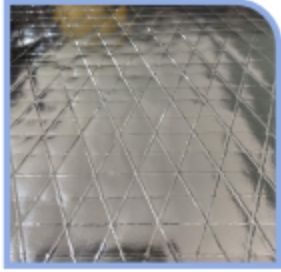
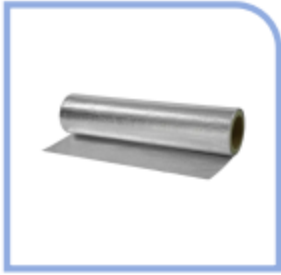
**AL Thickness (mm)**

0.006 ~ 0.050

**Structure**



# Sales Collection



## 3-Way Foil Fiberglass

As a standard heat reflecting material, aluminum foil fiberglass mesh fabric can resist heat caused by heat radiation. Under ideal conditions, it can withstand more than 97% of heat radiation.

Tri-directional Fiberglass Mesh adopts a three-axis weaving process. That is, glass fiber is added at a 45° angle between the warp and the weft, and the strength is increased by 30% based on the biaxial aluminum foil glass fiber cloth.

At this strength, Tri-directional Fiberglass Mesh is the best choice as a heat reflective material.

## SPECIFICATIONS

**Color**

Sliver

**Inner Diameter (mm)**

76 / 152

**Slitting Width (mm)**

≤ 1500

**Outside Diameter (mm)**

≤ 700

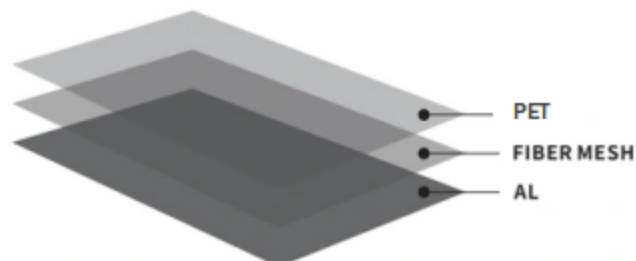
**PET Thickness (mm)**

0.01 ~ 0.10

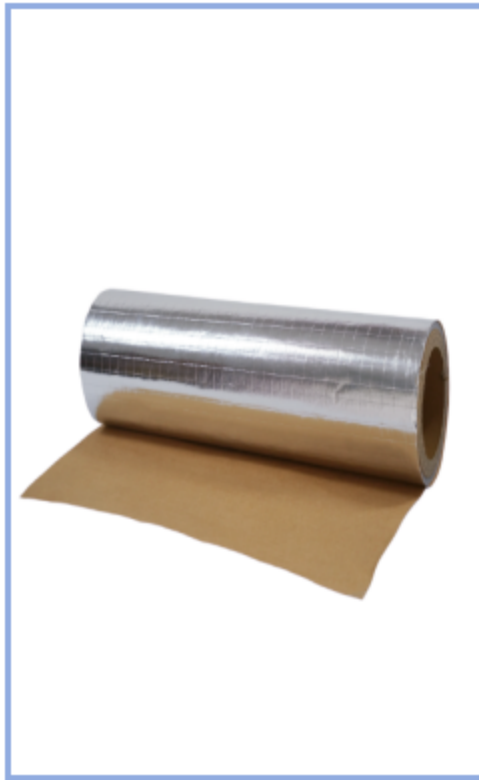
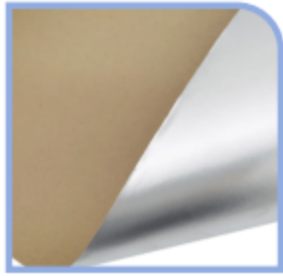
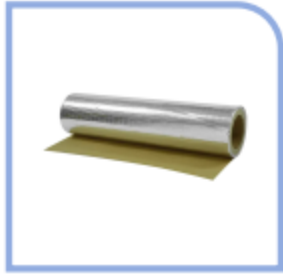
**AL Thickness (mm)**

0.006 ~ 0.050

**Structure**



# Sales Collection



## Foil Kraft Facing

FSK: This product adopts a composite structure of aluminum foil and kraft paper, and by using scrim, it adds strength and durability to the facing. It combines the excellent barrier performance and thermal stability of the aluminum foil with the strong toughness and tear resistance of the kraft paper.

Optional 2-way/3-way scrim FSK facings enhance tensile strength and durability, even in complex installation environments. The product also boasts 4 core advantages: lightweight, high thermal insulation, moisture resistance, and long service life – reducing transportation/construction costs, cutting energy consumption, preventing moisture damage, and minimizing maintenance needs.

## SPECIFICATIONS

**Color**

Sliver

**Inner Diameter (mm)**

76 / 152

**Slitting Width (mm)**

≤ 1500

**Outside Diameter (mm)**

≤ 700

**Kraft Weight (g)**

50/60/80

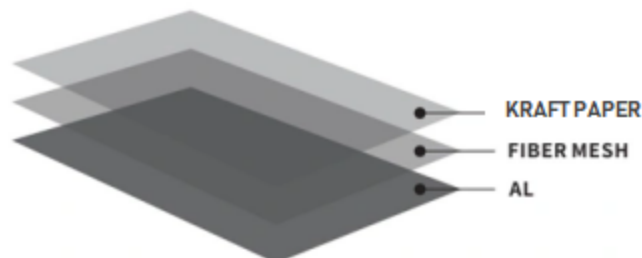
**AL Thickness (mm)**

0.006 ~ 0.050

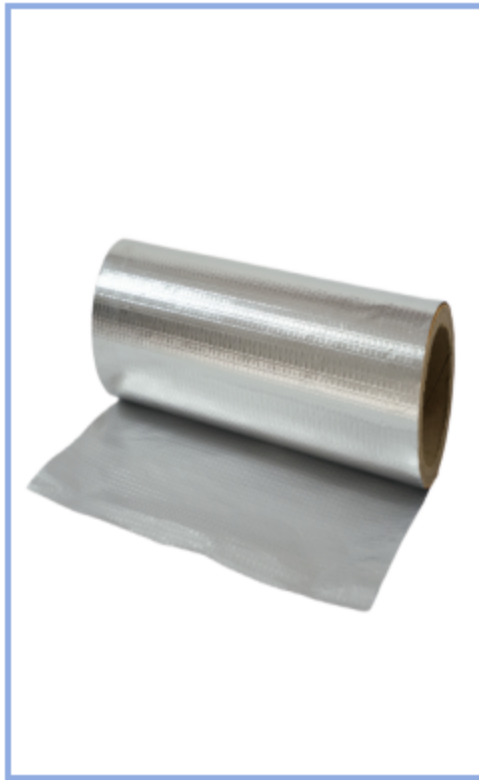
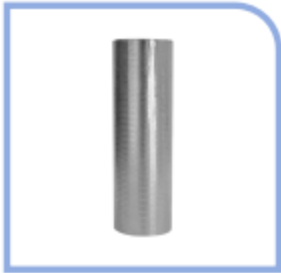
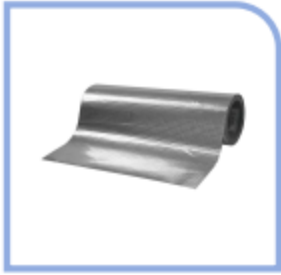
**PE Weight (g/m<sup>2</sup>)**

15 ~ 25

**Structure**



## Sales Collection



### Embossed AL/PET

AL/PET Laminate Film is a high-performance composite film combining the metallic barrier of aluminum foil with the strength and flexibility of polyester (PET). This structure provides outstanding moisture, oxygen, and light barrier properties, while maintaining excellent mechanical strength, chemical resistance, and dimensional stability.

Embossed AL/PET laminate Film is embossed on the smooth surface of the film with different lines, so that the surface of the product is more beautiful and the barrier is more lasting and stable. With different from AL PET film, printed aluminum foil is more widely used in building insulation and industrial packaging.

### SPECIFICATIONS

**Color**

Sliver

**Inner Diameter (mm)**

76 / 152

**Slitting Width (mm)**

≤ 1500

**Outside Diameter (mm)**

≤ 700

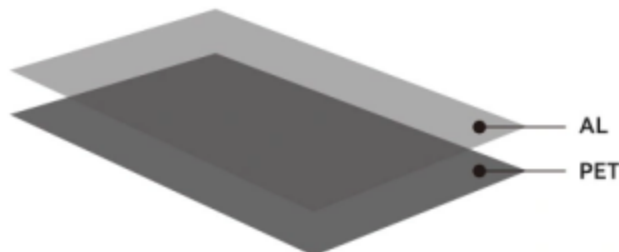
**PET Thickness (mm)**

0.01 ~ 0.10

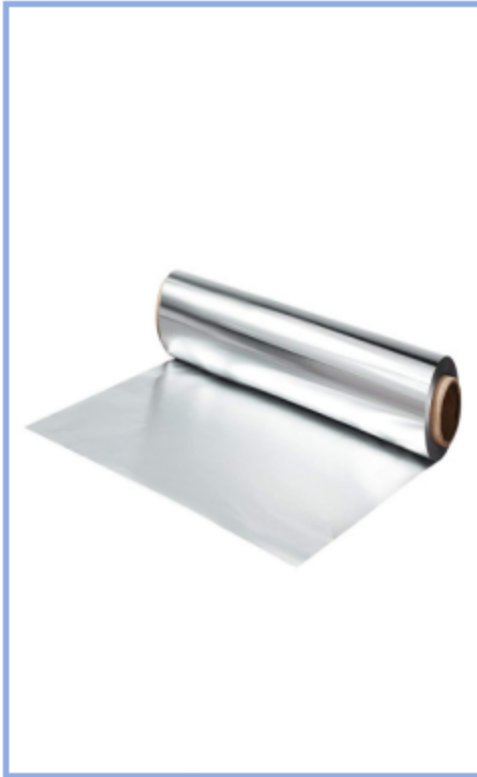
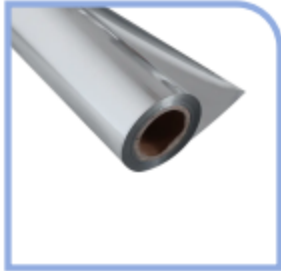
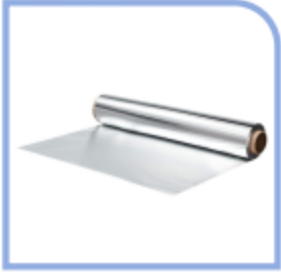
**AL Thickness (mm)**

0.006 ~ 0.050

**Structure**



# Sales Collection



## PET/AL/PE

PET/AL/PE Triplex Film is multilayer laminate composed of Polyester (PET) / Aluminum Foil (AL) / Polyethylene (PE).

This unique three-layer structure combines the mechanical strength and heat resistance of PET with the excellent barrier properties of aluminum foil, resulting in a durable and reliable film suitable for demanding industrial, insulation, and packaging applications, such as: Thermal insulation materials for buildings and HVAC systems, High-barrier flexible packaging, Protective wrapping and reflective insulation materials.

At DINGHE, we ensure precise lamination control, and tailor-made specifications (Surface Treatment: Corona or heat-sealable coating available on request) to meet your unique application needs.

## SPECIFICATIONS

**Color**

Sliver

**Inner Diameter (mm)**

76 / 152

**Slitting Width (mm)**

≤ 1500

**Outside Diameter (mm)**

≤ 700

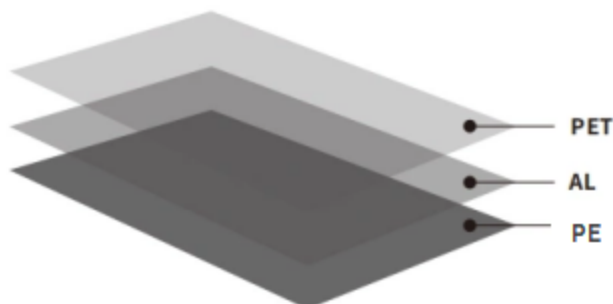
**PET Thickness (mm)**

0.01 ~ 0.10

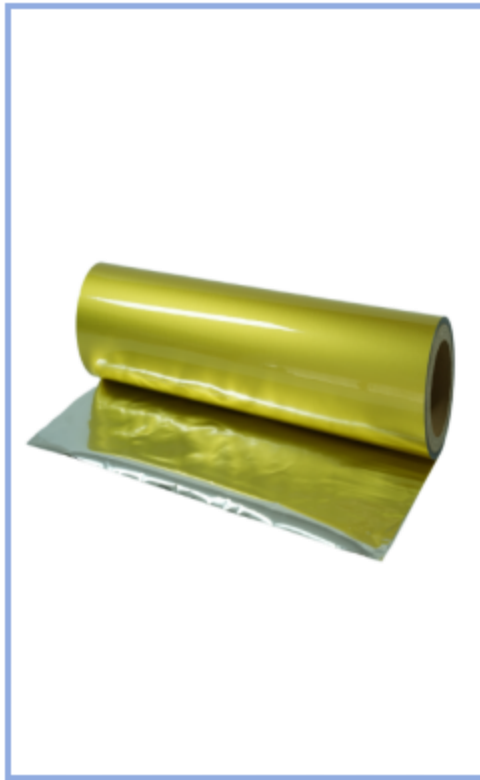
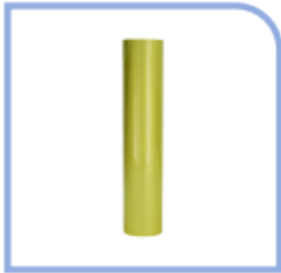
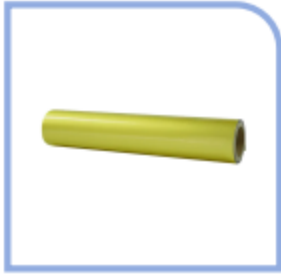
**AL Thickness (mm)**

0.006 ~ 0.050

**Structure**



# Sales Collection



## AL/PET/VMPET

DINGHE AL/PET/VMPET Triplex Film is a high-barrier, multi-functional laminate designed for demanding industrial insulation and protective applications. It consists of Aluminum Foil (AL), Polyester Film (PET), and Vacuum Metallized PET (VMPET). This advanced structure combines the superior moisture and light barrier performance of aluminum with the mechanical strength and flexibility of PET, further enhanced by the reflectivity and aesthetic finish of the VMPET layer. In addition, according to customer requirements, surface treatment can also be carried out, such as: Corona-treated or primer-coated for improved adhesion. Typical application fields: Industrial and architectural insulation materials, composite laminated sheets used in construction and energy-saving materials.

## SPECIFICATIONS

### Color

Sliver & Custom

### Inner Diameter (mm)

76 / 152

### Slitting Width (mm)

≤ 1500

### Outside Diameter (mm)

≤ 700

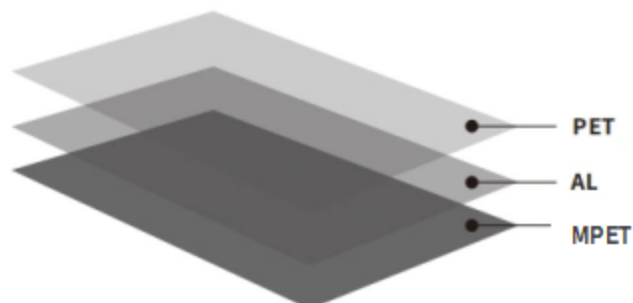
### PET Thickness (mm)

0.01 ~ 0.10

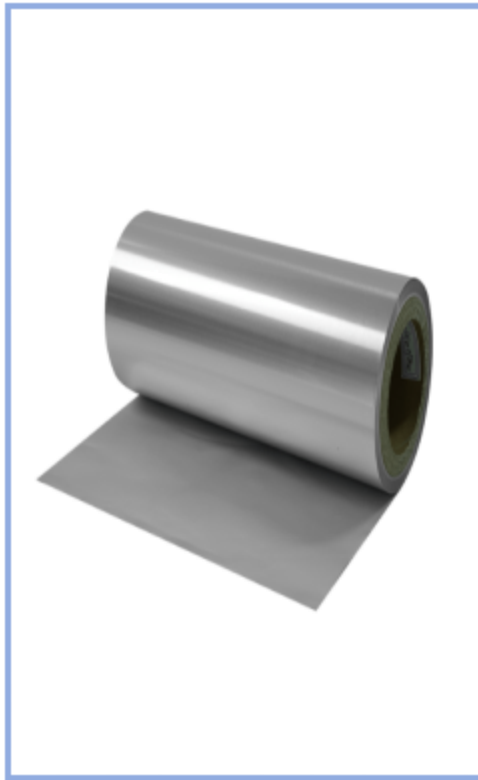
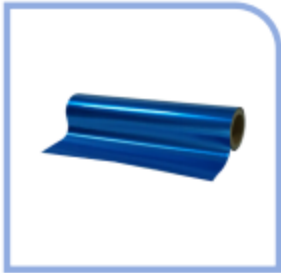
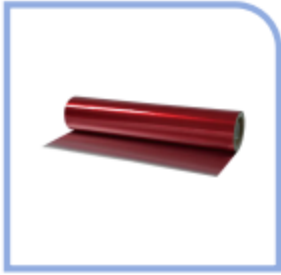
### AL Thickness (mm)

0.006 ~ 0.050

### Structure



## Sales Collection



### AL/PET

AL/PET Laminate Film is a high-performance composite film combining the metallic barrier of aluminum foil with the strength and flexibility of polyester (PET). This structure provides outstanding moisture, oxygen, and light barrier properties while maintaining excellent mechanical strength, chemical resistance, and dimensional stability. DINGHE's R&D and Marketing Department, in order to better apply this product in the field of duct ventilation, increased the flame-retardant performance and antibacterial performance of the film. The flexible air duct (7um AL+12um PET) made of DINGHE material can greatly improve the safety performance of the duct when it is used. Antibacterial al/pet film can effectively reduce the bacteria generated during the use of ducts, providing healthier air indoors. In addition to the field of air ducts, most of the products are widely used in the fields of cable, pipe insulation, and industrial packaging.

### SPECIFICATIONS

#### Color

Sliver & Custom

#### Inner Diameter (mm)

76 / 152

#### Slitting Width (mm)

≤ 1500

#### Outside Diameter (mm)

≤ 700

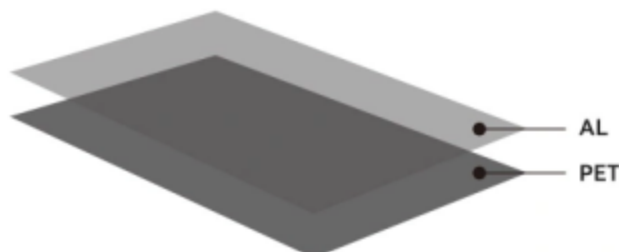
#### PET Thickness (mm)

0.01 ~ 0.10

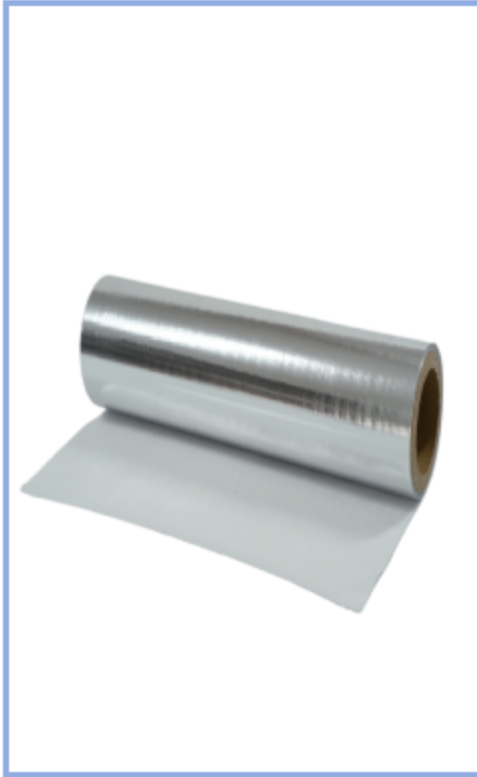
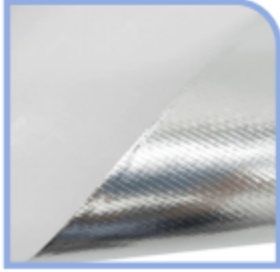
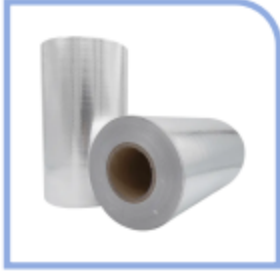
#### AL Thickness (mm)

0.006 ~ 0.050

#### Structure



# Sales Collection



## Foil Woven Fabric

AL/PE Woven Fabric is a high-performance composite material made by laminating premium aluminum foil (7–30  $\mu\text{m}$ , customizable) with durable PE woven fabric (15–150  $\text{g}/\text{m}^2$ , customizable). Available in widths up to 1200 mm with custom roll options, this product is designed to meet diverse application requirements. The non-woven surface color can also be tailored to customer preferences. Developed with DINGHE's proprietary lamination technology, this material features light weight, excellent breathability, and a soft touch, ensuring both comfort and durability. It is widely used in building insulation, HVAC duct wrapping, flooring underlayment, and automotive thermal protection, offering superior heat reflection and moisture barrier performance that distinguishes DINGHE products in the insulation materials industry.

## SPECIFICATIONS

**Color**

Sliver

**Inner Diameter (mm)**

76 / 152

**Slitting Width (mm)**

$\leq 1500$

**Outside Diameter (mm)**

$\leq 700$

**PET Thickness (mm)**

0.01 ~ 0.10

**AL Thickness (mm)**

0.006 ~ 0.050

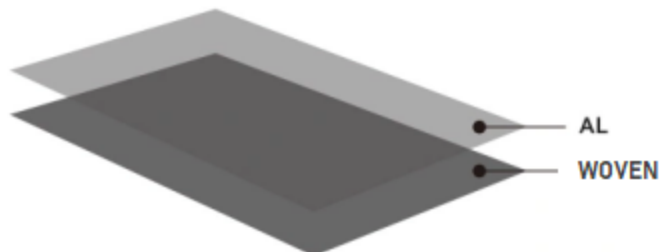
**PE Weight ( $\text{g}/\text{m}^2$ )**

15 ~ 25

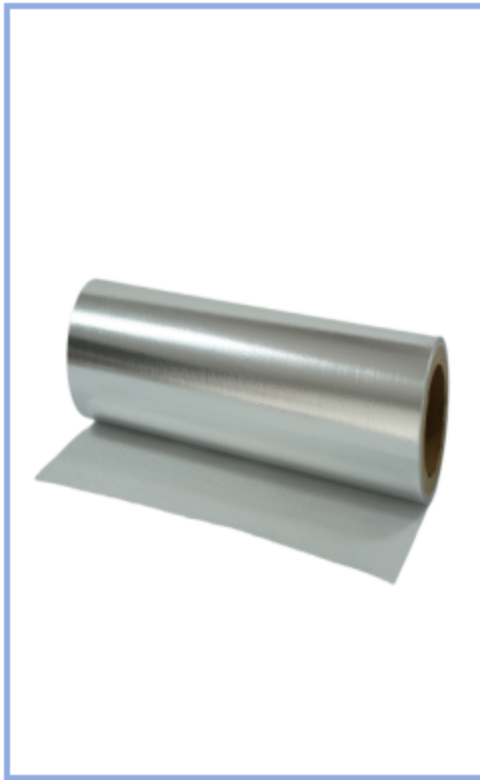
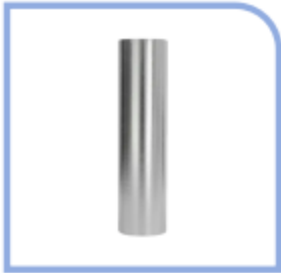
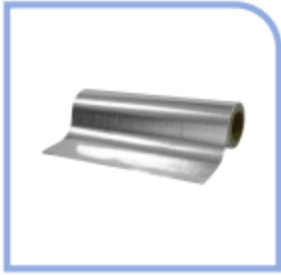
**Woven Fabric Weight ( $\text{g}/\text{m}^2$ )**

40 ~ 120

**Structure**



# Sales Collection



## Foil Fiberglass Fabric

AL/Fiberglass Fabric laminate Film is a film with very high cost performance, especially its excellent fire resistance performance. It is highly applicable in the field of construction and can reduce fire losses when a fire occurs. This material is also used for flexible pipes. By using fiberglass cloth with a relatively light weight, the pipes become lightweight and flexible. DING HE can also customize the density and weight, as well as the width and length of the glass fiber cloth for the film according to your requirements

### SPECIFICATIONS

**Color**

Sliver

**Inner Diameter (mm)**

76 / 152

**Slitting Width (mm)**

≤ 1500

**Outside Diameter (mm)**

≤ 700

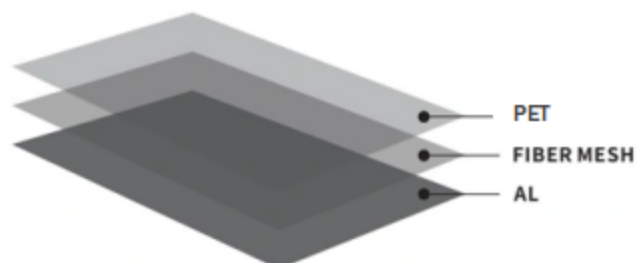
**PET Thickness (mm)**

0.01 ~ 0.10

**AL Thickness (mm)**

0.006 ~ 0.050

**Structure**





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Tianmushan Town, Linan City,  
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