



# 温室产品手册

Greenhouse Product Manual



四川宝力达金属管件制造有限公司  
Sichuan Baolida Metal Pipe Fittings Manufacturing Co., Ltd



BAOLIDA



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# 大棚类型展示

Greenhouse type display



插地棚 Single Span Greenhouse



连栋棚 Multi-span film Greenhouse



黑幕棚 Blackout light deprivation Greenhouse



玻璃棚 Venlo/Glass Greenhouse



日光温室 In-solar Greenhouse



晾晒棚 Sun solar dryer Greenhouse



交叉顶通风温室 Sawtooth top vent Greenhouse

可联系我们了解更多大棚详细信息  
Contact us for more greenhouse details

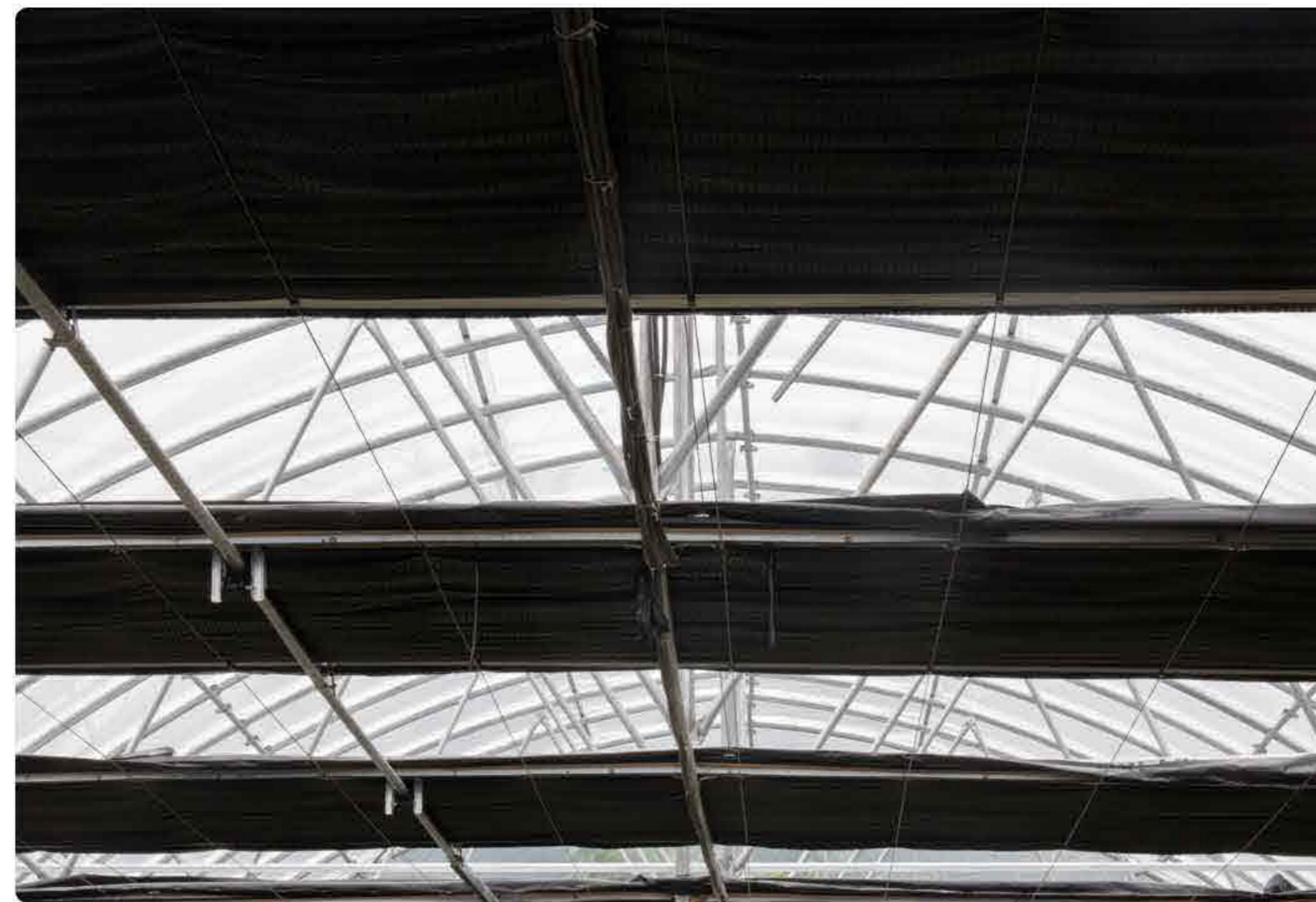
主体材料为国产热镀锌钢管及钢板；  
所有连接件均经过热镀锌处理。  
温室顶部及四周为专用铝型材。

热镀锌工艺流程：  
成品酸洗>水洗>加助镀液>烘干>挂镀>  
冷却>药化>清洗>打磨>热镀锌完工。

The main material is domestic hot-dip galvanized steel pipe and steel plate;  
All connections are hot-dip galvanized.  
The top and surrounding areas of the greenhouse are made of special aluminum profiles.

Hot-dip galvanizing process:  
Pickling>Washing>Help bath>Drying>  
Hanging plating>Cooling>Chemical>  
Cleaning>Grinding>Hot dip galvanized finish.





遮阳系统分外遮阳、内遮阳和内保温系统。系统主要功能有：夏季遮阳、降温；冬季保暖。通过选用不同遮阳率的幕布，以满足不同作物对阳光的需求。针织网、百吉网，多门贯穿织法，抗脆化，强拉力，耐磨，耐撕，经久耐用，排齿机械转动性能稳定、平整、严密，可依光度时间设定。控制颜色有：黑色、绿色、透明。

The shading system is divided into external shading, inner shading and internal thermal insulation system. The main functions of the system are: shading and cooling in summer; keeping warm in winter. By choosing curtains with different shading rates to meet the needs of different crops for sunlight. Knitted net, bagel net, multi-door through weave, anti-brittleness, strong tensile force, wear-resistant, tear-resistant, durable, the mechanical rotation performance of the tooth arrangement is stable, smooth and tight, and can be set and controlled according to the luminosity time. Colors are: black, green, transparent.

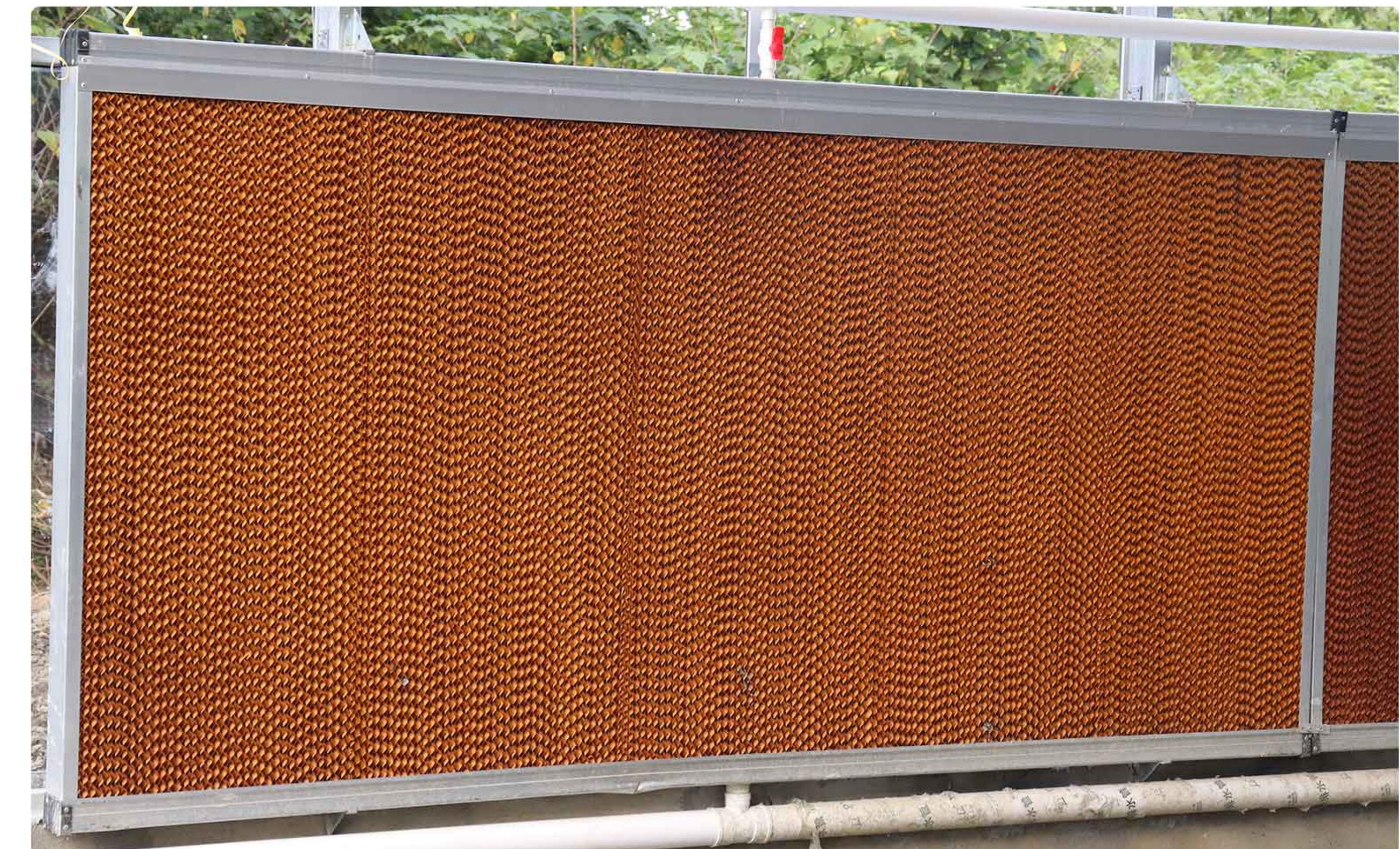
## 电机展示 | Motor display



马力/Horsepower: 1/2HP , 1HP , 1.5HP  
 额定功率/Rated power: 0.37kw , 0.55kw , 0.75kw  
 使用频率/Frequency: 50HZ  
 使用电压/Voltage: 220V / 380V \* 3相 (3 phase)  
 使用电流/Current: 1.95A / 1.13A  
 转速/Rotate speed: 1380RPM  
 电机驱动拉网，可依光度或时间控制。  
 Motor driven the net, can be controlled by luminosity or time.

采用进口或国产优质排风扇及高分子技术制成的水墙纸板搭配使用。

Use imported or domestic high-quality exhaust fan and Polymer Technology water cooling pad.



### 负压风机 | Negative Pressure Fan

马力 / Horsepower: 1HP

使用频率 / Frequency: 50HZ

使用电压 / Voltage: 220V / 380V \* 3相 (3 phases)

使用电流 / Current: 1.95A / 1.13A

转速 / Rotate speed: 1380 RPM

### 湿帘 | Cooling Pad

抽水马达 / Pump Motor: 1/2HP , 1HP , 2HP

侧窗 / Side window: 保护水墙纸板, 兼具保温效果 / Protect the paper wall , and insulation.

水墙纸板 / Paper wall specification :

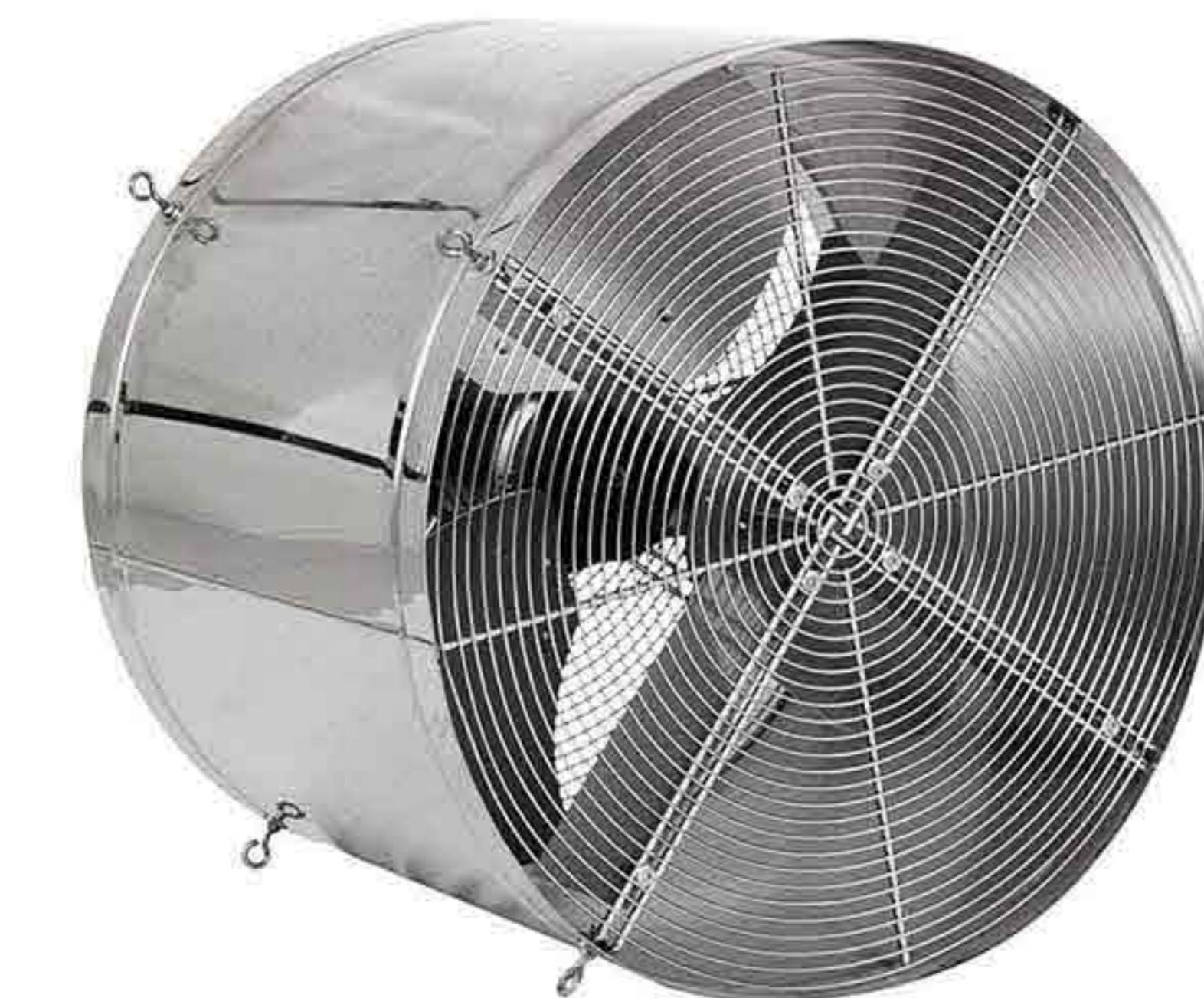
180cm(150cm)\*60cm\*10cm(15cm)

水墙高度 / Composition: 纸板paper wall 180cm(150cm)+  
铝合金边框aluminum alloy pad frame 10cm(15cm)

温室装有调节室内小气候的内循环系统，采用国产优质园艺专用内循环风机，具有噪音小，风量大，寿命长等特点。悬挂式安装，合理布局，能最大可能的打破温室内空气的热惰性，更好的维持温室内小气候的一致性和稳定性，全部实现分时段间歇式自动控制。



The greenhouse is equipped with an internal circulation system that adjusts the indoor microclimate, and adopts a domestic high-quality horticultural special internal circulation fan, which has the characteristics of low noise, large air volume and long service life. Suspended installation and reasonable layout can break the thermal inertia of the air in the greenhouse to the greatest extent possible, better maintain the consistency and stability of the microclimate in the greenhouse, and realize intermittent automatic control in different periods of time.



电压 Voltage	功率 Power	扇叶转速 Rotate Speed	全压 Pressure	流量 Airflow Rate
220V	0.25KW	1420RPM	84Pa	4500
380V	0.25KW	1420RPM	84Pa	4500

# 覆盖材料

Cover Material



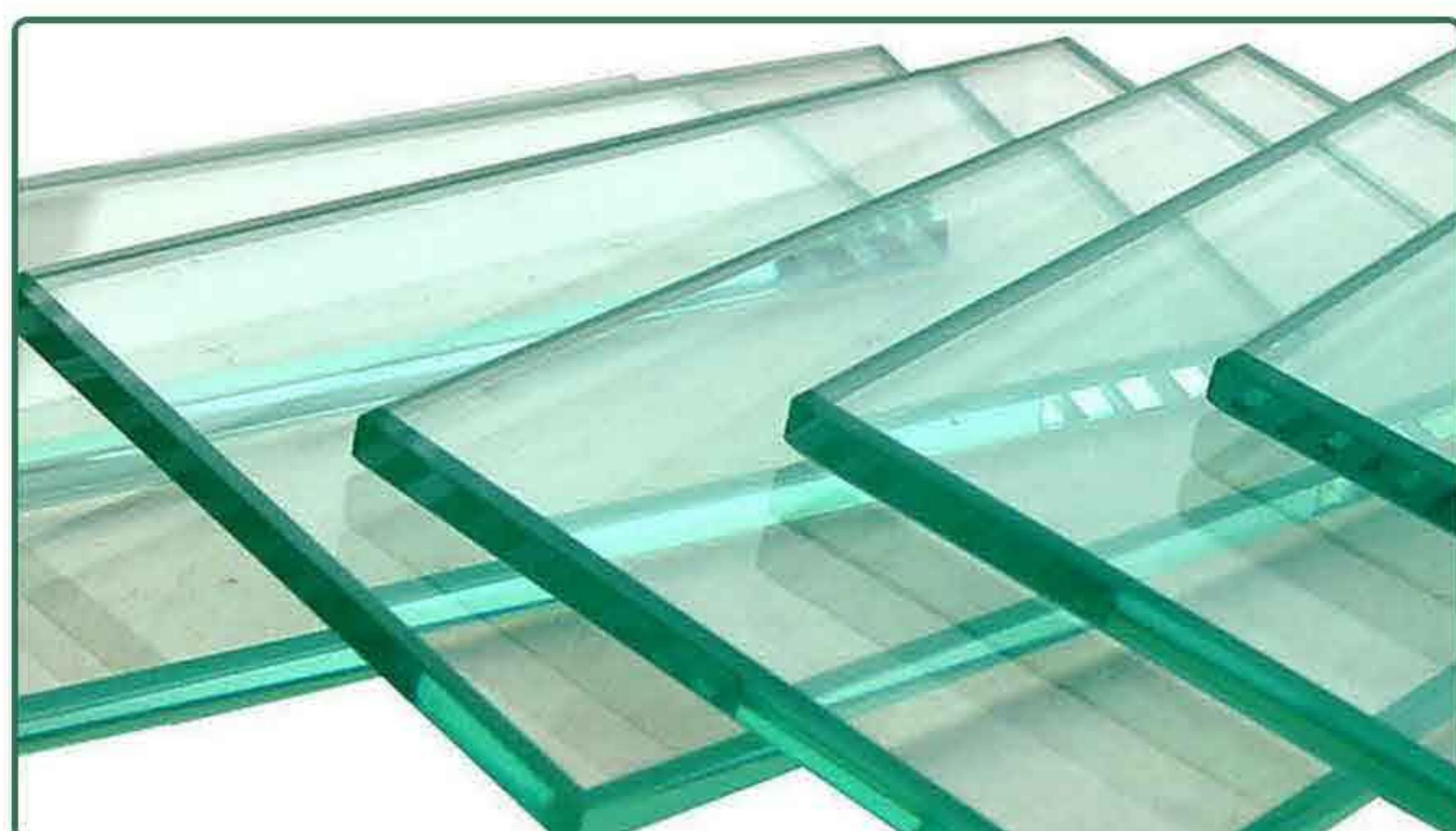
薄膜 Film



黑白膜 Black-White Film



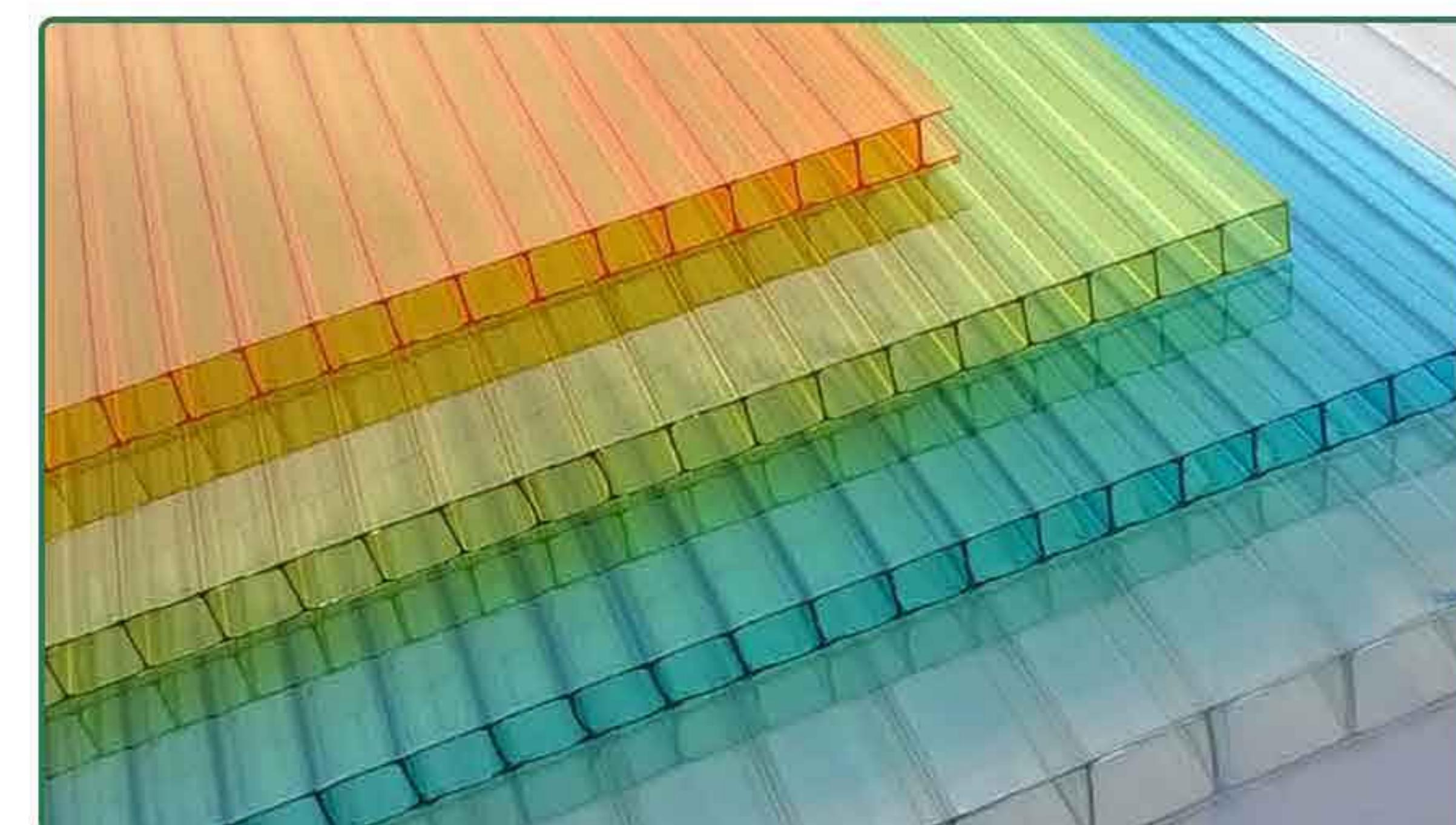
绿白膜 Green-White Film



浮法玻璃 Float Glass



钢化玻璃 Tempered Glass



阳光板 Polycarbonate Panel



彩钢板 Color Steel



泡沫板 Foam Board



夹芯板 Sandwich Panel

## 吉尼嘉膜 Ginegar Film



## PEP膜 PEP Film



常用厚度 Thickness	常规宽度 Regular Width
65 micron	7 / 8.6 / 9m
80 micron	7-14m
100 micron	7-14m
130 micron	7-14m
150 micron	7-14m
200 micron	7-14m

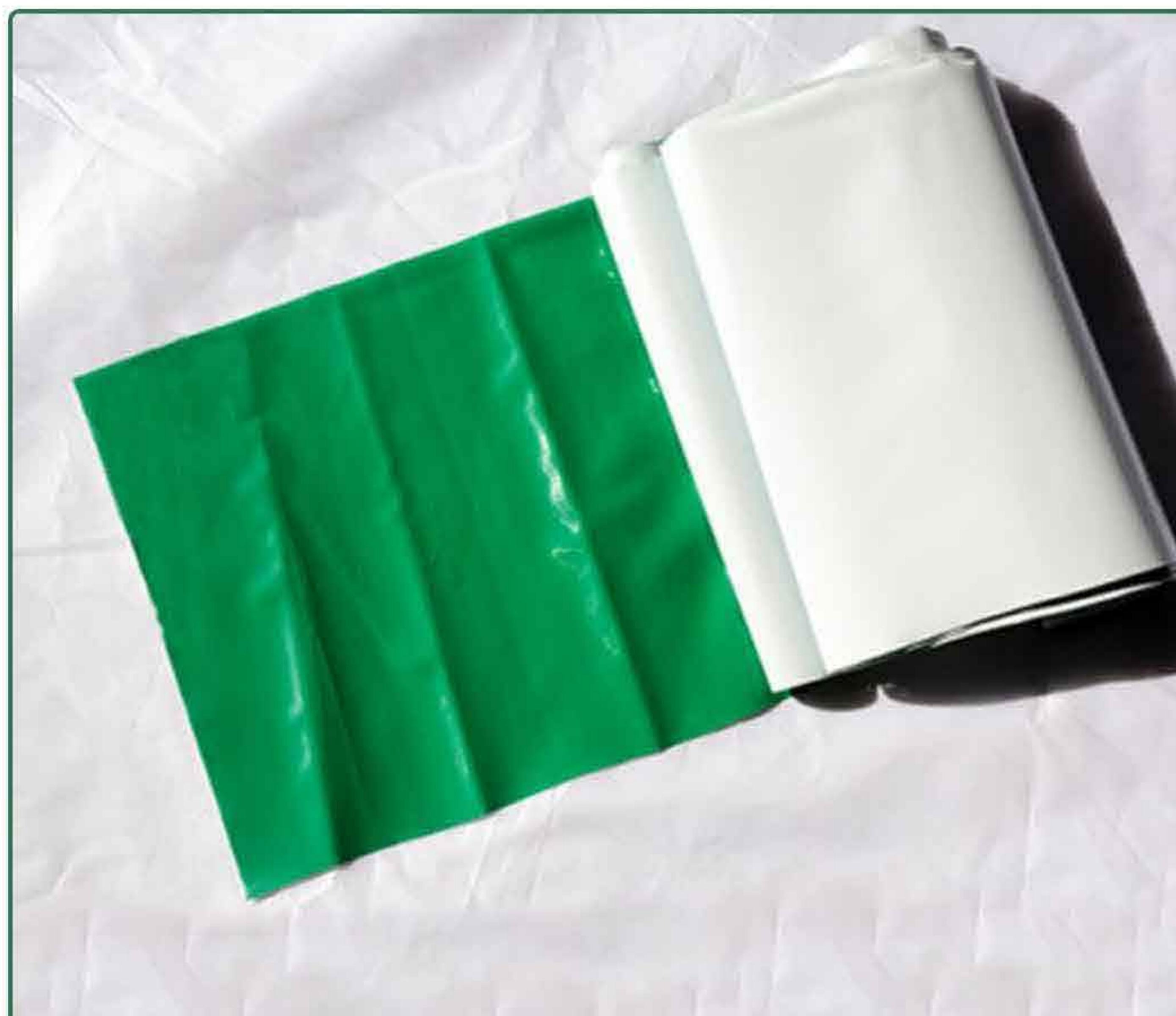
常用厚度 Thickness	常规宽度 Regular Width
60 micron	6-13m
80 micron	2.5-18m
100 micron	2.5-18m
120 micron	2.5-18m
130 micron	2.5-17m
150 micron	2.5-18m(透光 Transmittance) 6-12m(保温 Insulation)
180 micron	6-16m
200 micron	6-16m



## 黑白膜 Black-White Film

- |                |   |
|----------------|---|
| 1) 蘑菇等食用菌种植。   | 1) Mushrooms and other edible fungi growth.                         |
| 2) 鸡鸭鱼蚕等动物养殖。  | 2) Breeding of animals such as chickens, ducks, fish and silkworms. |
| 3) 鱼塘、藕池、游泳池铺。 | 3) Fish pond, lotus root pond and swimming pool.                    |

常用厚度/Thickness	常规宽度/Regular Width
130 micron	6-13m
150 micron	2.5-18m

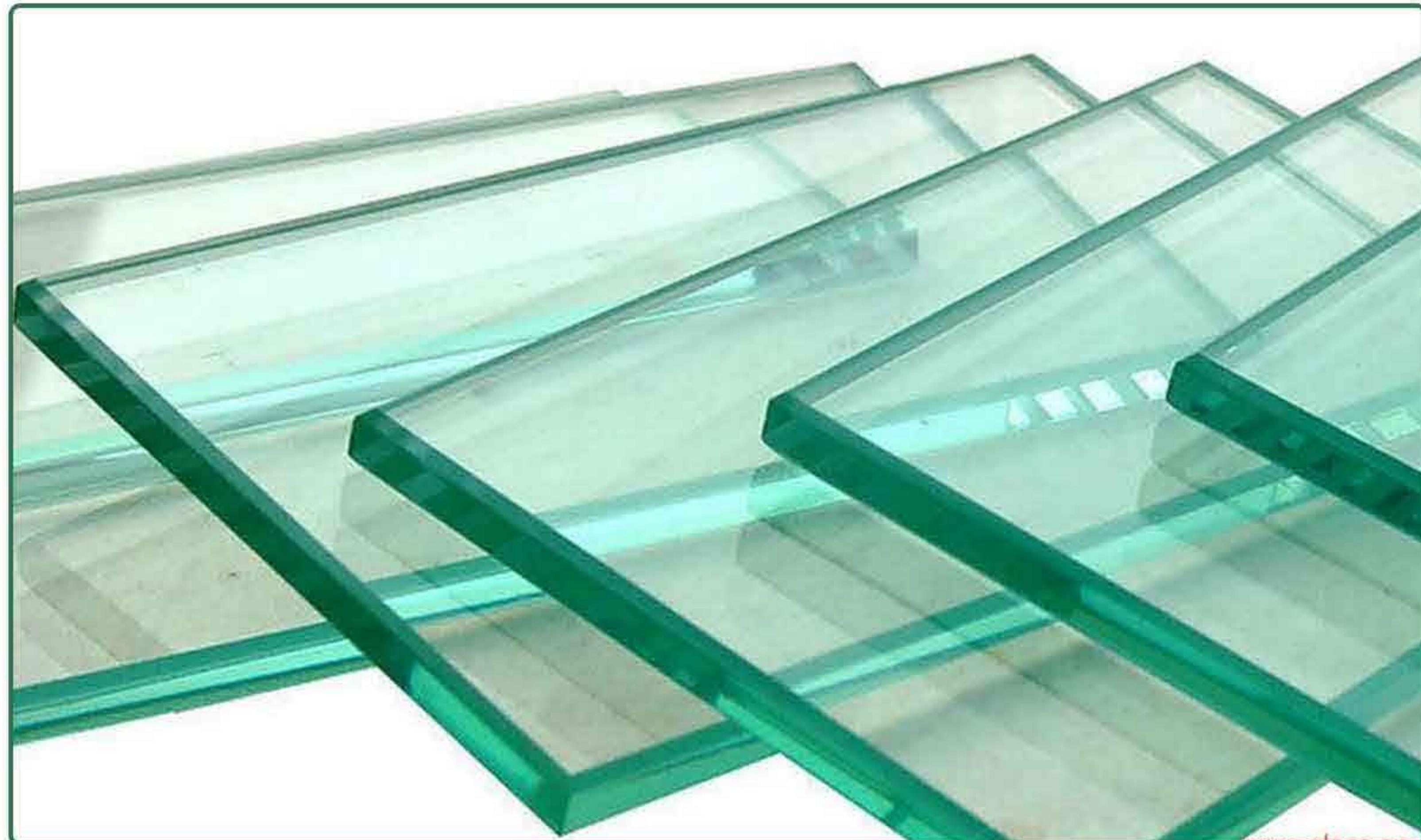


## 绿白膜 Green-White Film

遮光率大约在90%，透光率在10%左右，满足食用菌生产的需要。同样具有遮阳和降温的作用。散射光绿白膜具有更长的使用寿命，使用方法得当可以连续使用五年以上，抗风抗拉强度高，提高了产品的性价比。一次投资，长期受益。散射光绿白膜没有雨雪透过，并且有易融雪，不存雨水的优势，减少因为棚顶大风大雪压塌食用菌棚的风险。

The shading rate is about 90%, and the light transmittance is about 10%, which meets the needs of edible fungi production. It also has the function of shading and cooling. Scattered light  
The green white film has a longer service life and can be used continuously for more than five years if used properly. It has high wind resistance and tensile strength, which improves the performance of the product.  
price ratio. One investment, long-term benefits. The scattered light green and white film does not pass through rain and snow, and has the advantage of melting snow easily and saving rain, reducing the  
Risk of collapse of edible mushroom shed due to strong wind and heavy snow on the roof.

常用厚度/Thickness	常规宽度/Regular Width
130 micron	6 / 9 / 12m

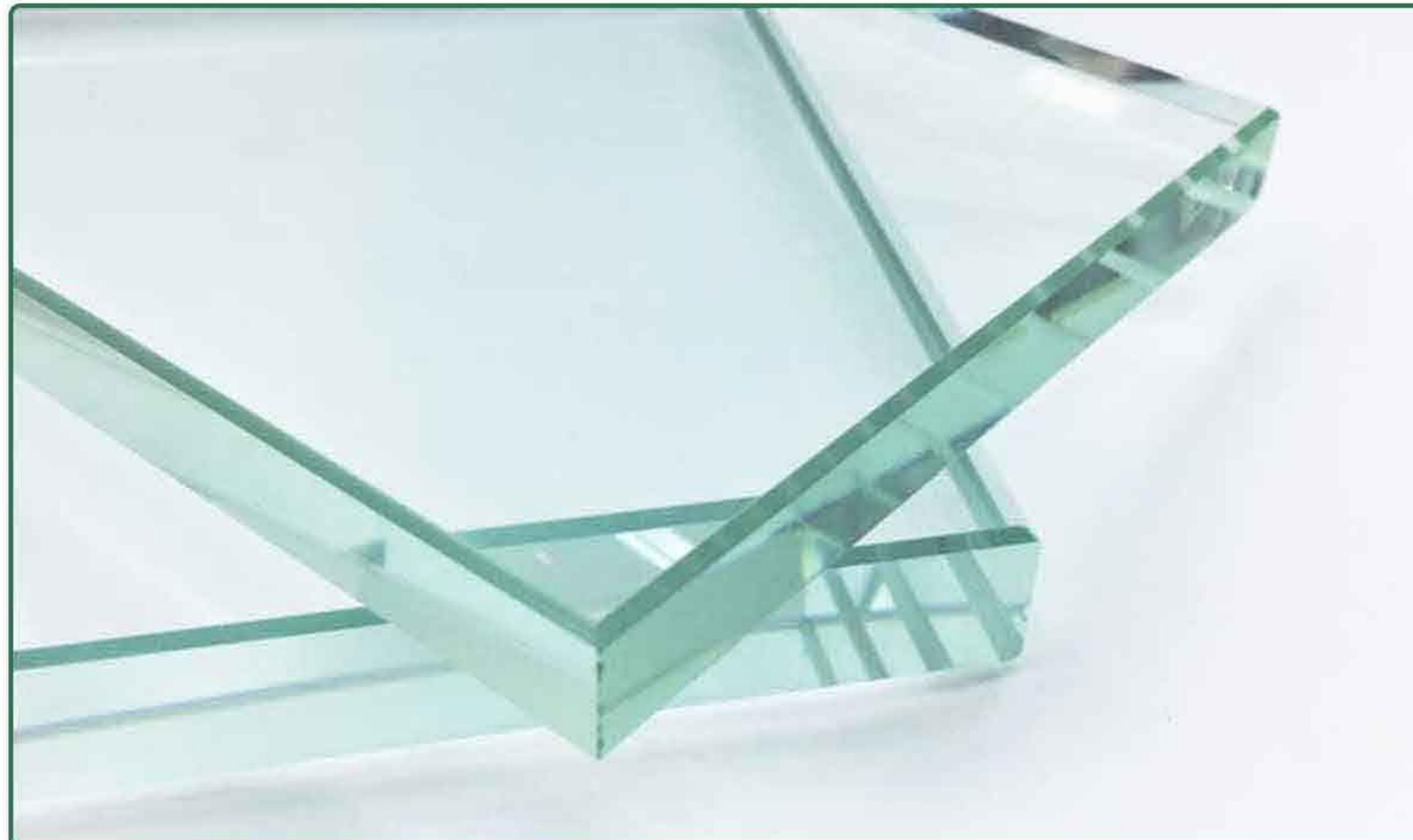


## 浮法玻璃

(温室常用5mm、8mm、10mm)

Float glass (Common use 5mm、8mm、10mm)

厚度/Thickness (mm)	重量/Weight (kg/m <sup>2</sup> )	最大规格/Maximum Size (inch/mm)	
1.1	2.09	52*44	1320*1120
1.2	3.18	52*44	1320*1120
1.3	2.67	52*54	1320*1120
2	4.89	72*60	1829*1524
3	7.34	120*84	3048*2134
4	9.79	120*96	3048*2438
5	12.23	180*132	4572*3353
6	14.69	180*132	4572*3353
8	19.57	240*132	6090*3353
10	24.47	240*132	6090*3353
12	29.36	240*132	6090*3353
15	36.70	390*132	10000*3353
19	46.40	394*132	10000*3353



## 强化玻璃 / Tempered glass

(温室常用/Common use : 8mm、10mm)

### 规格/Specification :

厚度/Thickness : 3-19mm

最大强化尺寸/Maximum Size : 118" \* 315" (3000mm\*8000mm)

### 优势/Advantages :

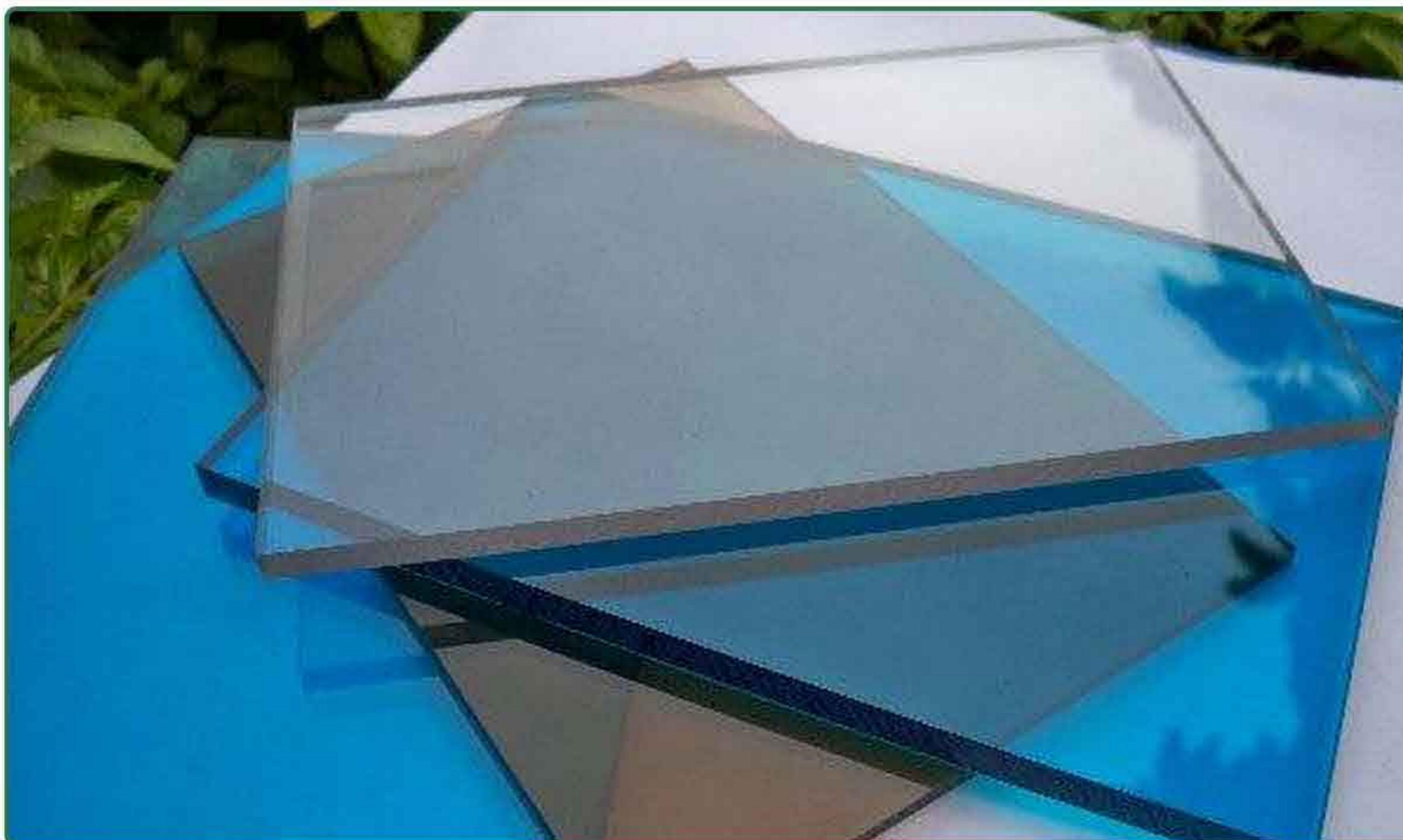
采用水平强化，故没有吊孔/With horizontal reinforcement, there is no hanging hole.

强化玻璃的强度约为普通玻璃的5倍/Strength of tempered glass is about 5 times of ordinary glass.

当玻璃被外力破坏时，成为豆粒大小的颗粒，减少对人的伤害/When glass is damaged by external forces, it becomes beans size granule, reducing the harm to human.

可耐温度急剧变化（例如5mm强化玻璃，约可耐摄氏200度的温差变化）/Can withstand rapid changes in temperature, (Example 5mm tempered glass, temperature can change of about 200 degrees Celsius.)

## 耐力板 Polycarbonate solid sheet



板材种类 Type	厚度 Thickness	建议宽度 Width	建议长度 Length
通用型耐力板 Universal type	1.5mm-7mm	2100mm	≤8000mm
强力型耐力板 Intensify type	8mm-16mm	2100mm	≤8000mm
硬化耐力板 Hardening	2mm-16mm	2100mm	≤4000mm

温室覆盖主要使用通用型耐力板。  
强力型及硬化耐力板主要用于市政工程。

Greenhouse covers mainly use the universal type.  
Intensify and hardening type are mainly used for municipal engineering.

## 双层阳光板 Double layer polycarbonate panel



厚度/Thickness (mm)	建议宽度/Width (mm)	建议长度/Length (mm)
4mm	≤2100mm	≤10000mm
6mm	≤2100mm	≤10000mm
8mm	≤2100mm	≤10000mm
10mm	≤2100mm	≤10000mm
12mm	≤2100mm	≤10000mm

## 三层PC板 Three layer Polycarbonate panel



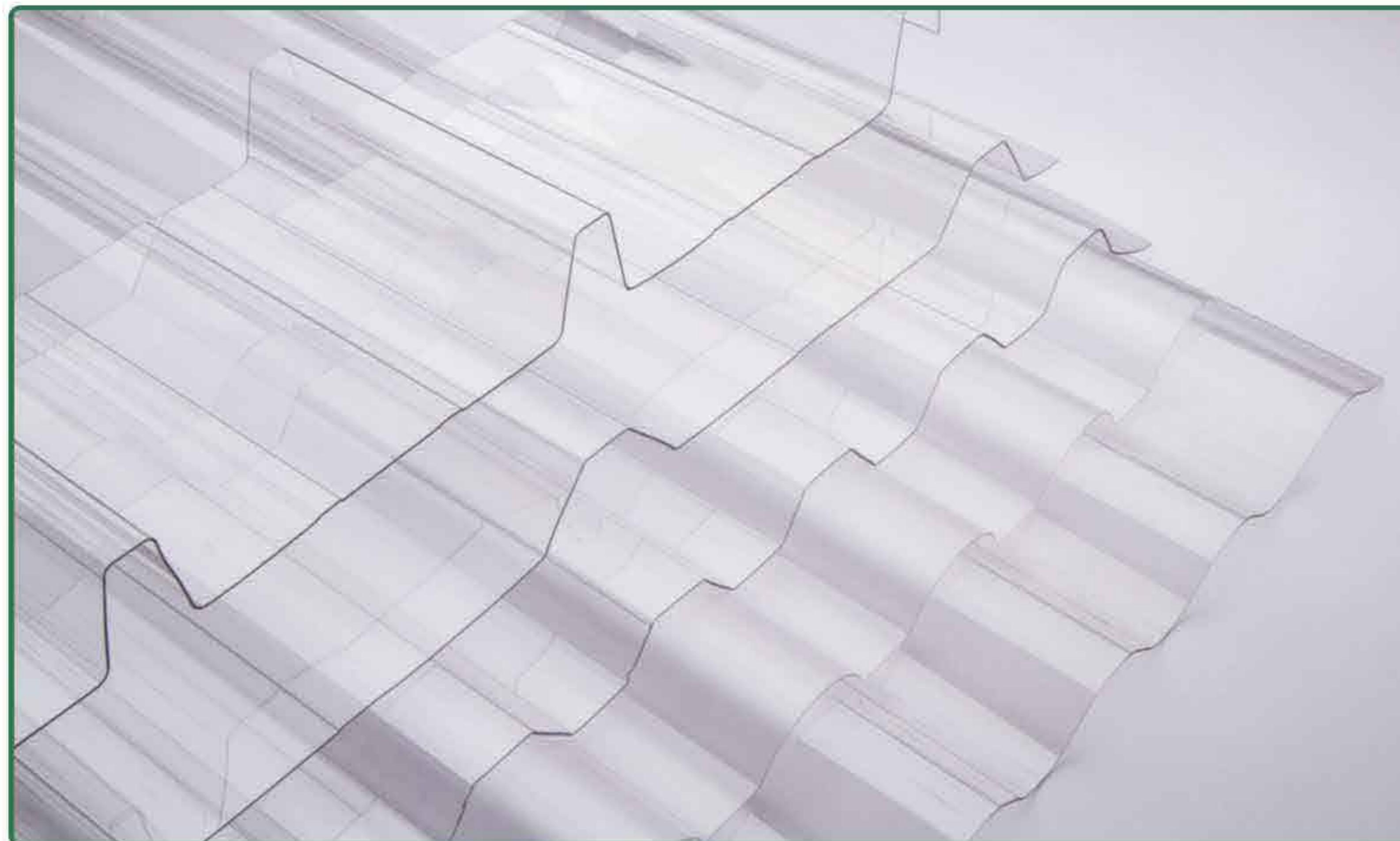
厚度/Thickness (mm)	建议宽度/Width (mm)	建议长度/length (mm)
8mm	≤2100mm	≤10000mm
10mm	≤2100mm	≤10000mm
12mm	≤2100mm	≤10000mm
14mm	≤2100mm	≤10000mm
16mm	≤2100mm	≤10000mm
18mm	≤2100mm	≤10000mm

## 四层PC板 Four layer polycarbonate panel



厚度/Thickness (mm)	建议宽度/Width (mm)	建议长度/length (mm)
8mm	≤2100mm	≤8000mm
10mm	≤2100mm	≤8000mm
12mm	≤2100mm	≤8000mm
14mm	≤2100mm	≤8000mm
16mm	≤2100mm	≤8000mm
18mm	≤2100mm	≤8000mm
20mm	≤2100mm	≤8000mm

## PC浪板 PC wave plate



厚度/Thickness (mm)	建议宽度/Width (mm)	建议长度/length (mm)
0.8mm	≤870mm	≤1180mm
1.0mm	≤870mm	≤1180mm
1.2mm	≤870mm	≤1180mm
1.5mm	≤870mm	≤1180mm
1.8mm	≤870mm	≤1180mm
2.0mm	≤870mm	≤1180mm
2.2mm	≤870mm	≤1180mm
2.5mm	≤870mm	≤1180mm
3.0mm	≤870mm	≤1180mm

## 彩钢板 Color steel

**(镀铝锌钢板/Galvanized steel sheet)**

厚度 / Thickness : 0.2mm-0.5mm

彩钢板，是指彩涂钢板，彩涂钢板是一种带有有机涂层的钢板。彩钢板分为单板、彩钢复合板、楼承板等。广泛使用与大型公共建筑、公共厂房、活动板房及集成房屋的墙面和屋面。

Coolr steel with organic coating is divided into single board, double layer board, floor board and so on. Widely used in large public buildings, public factories, prefabricated houses, and walls and roofs of the integrated house.



## 彩钢夹芯板 Color steel sandwich panel

(上下为彩钢板, 中间为泡沫 / Color steel & Foam)

【面材 / Plane materiel】上/下0.3~0.6mm彩钢板 / 0.3~0.6mm thickness color steel.

【宽度 / Width】1050mm 【厚度 / Thickness】50~150mm

彩钢夹芯板外形美观, 色泽艳丽, 整体效果好, 它集承重、保温、防水于一体, 且无需二次装修, 是一种用途广泛的板材。常用于建筑工地的临时搭建设施, 如办公室、仓库、围墙等, 在投入使用、可装可拆、材料周转使用指数方面都具有明显的优势, 可大幅度降低建筑工地临时设施的搭建费用, 是不可缺少的新型轻质建筑材料。

The foam sandwich panel has beautiful appearance, bright color and good overall effect. It integrates load-bearing, thermal insulation and waterproofing, and does not require secondary decoration. It is a versatile board. Temporary construction facilities commonly used in construction sites, such as offices, warehouses, fences, etc., are put into use, It has obvious advantages in terms of assembling and disassembling, and material turnover index, which can greatly reduce the construction cost of temporary facilities on construction sites. It is an indispensable new lightweight building material.



## 岩棉彩钢夹芯板 Rock wool sandwich panel

(上下两层金属面板, 中层高分子隔热内芯 / Materiel: Plane Color steel, Inside polymer insulated core)

【厚度 / Thickness】0.2mm~1.0mm 【芯材厚度 / Core thickness】50mm~250mm

【有效长度 / Length】1000mm / 1200mm / 960mm / 950mm

岩棉夹芯板是一种以岩棉为原料制成的夹芯板。岩棉夹芯板充分发挥了岩棉芯材的独特性能, 在防火、保温隔热、吸音隔声等方面有着显著的功效。

Rock wool sandwich panel is a sandwich panel made of rock wool. Rock wool sandwich panel gives full play to the unique properties of rock wool core material, It has significant effects in fire prevention, thermal insulation, sound absorption and sound insulation.



### 托膜线 Polyester wire

(聚酯塑钢材质, 黑色/透明可选 Material: Polyester , Color: black / transparent )

常用直径/Diameter	常规长度/Length	重量/Weight
2.2mm	1700m	10Kg/卷
3.0mm	800m	10Kg/Roll



### 补膜胶 Film patch

(PVC材质 / Material: PVC )

常用宽度/Diameter	常规长度/Length
7cm	20cm
7.5cm	20cm

### 压膜卡 Snap clamp

(合金塑料材质 / Material: ABS )



### 带钩压膜卡 Snap clamp with hook

(合金塑料材质 / Material: ABS )



常用规格 (直径)  
Diameter

19mm

22mm

25mm

32mm

### 刮网条 Net scratch

(不锈钢304材质 / Material: stainless steel 304 )



### 网扣 Split rings

(不锈钢304材质 / Material: stainless steel 304 )





### 钢丝夹 Spring clamp

(弹簧钢丝电泳 / Spring steel wire electrophoresis )

#### 常用规格/Specification

25mm	32mm
32mm-25mm	32mm-20mm



### 水槽布 Waterproof cloth gutter

(PVC材质 / Material: PVC )

#### 常用规格(宽度)/Width

50cm
60cm



### 鸭嘴夹 Duckbill clip

(热镀锌钢板冲制成型 / Material: Hot dip galvanized )

#### 常用规格/Specification 常规厚度/Thickness

25mm	1.2mm
32mm-25mm	
32mm-20mm	

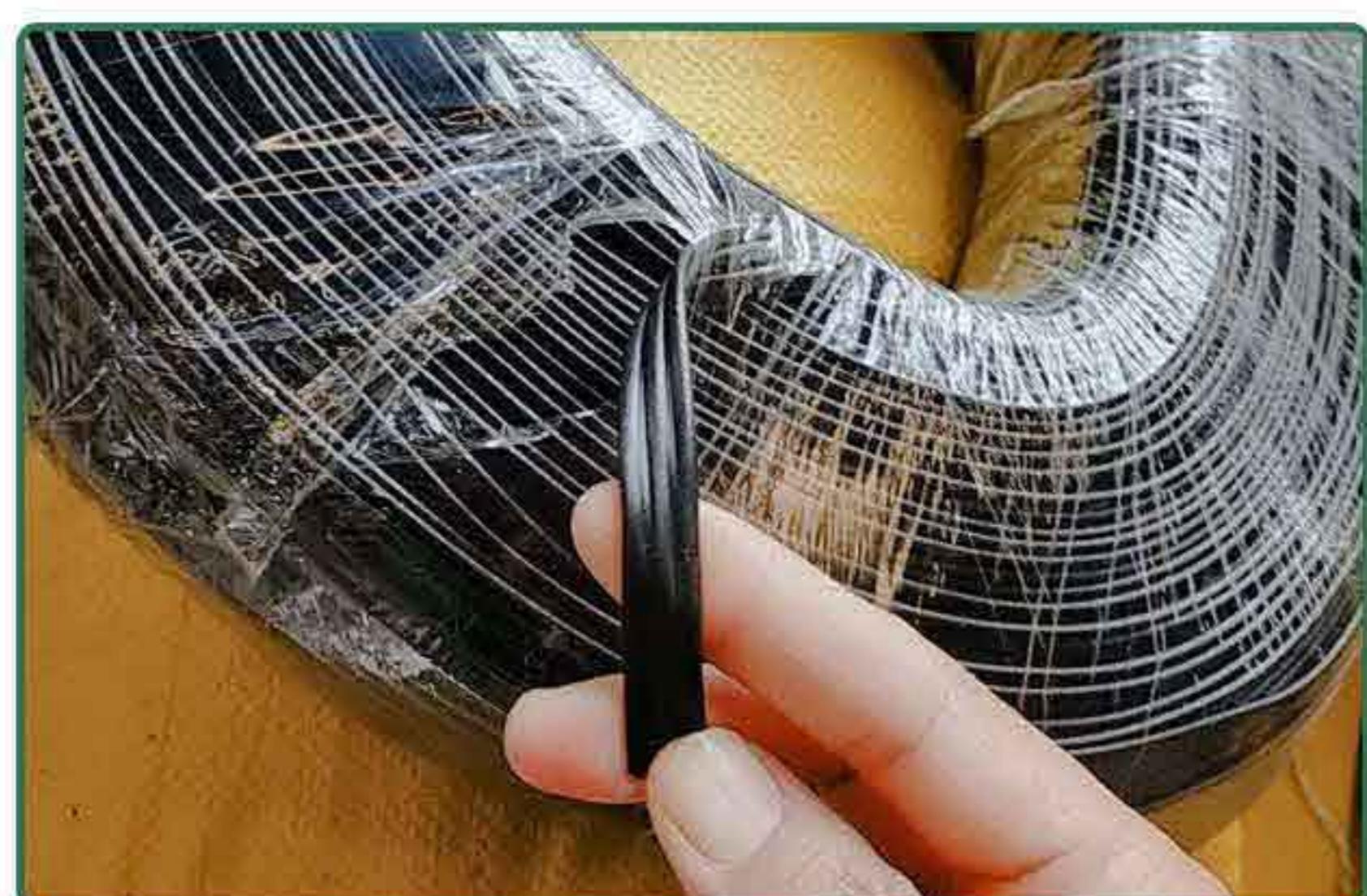


### U型卡 U type lock

(镀锌钢筋、钢板 / Material: Galvanized steel )

#### 常用规格/Specification

φ25mm
φ32mm



### 压膜带 Film band

(尼龙材质 / Material: Nylon )

#### 常用宽度/Width 常用长度/Length

1.3cm	300m
2.0cm	300m



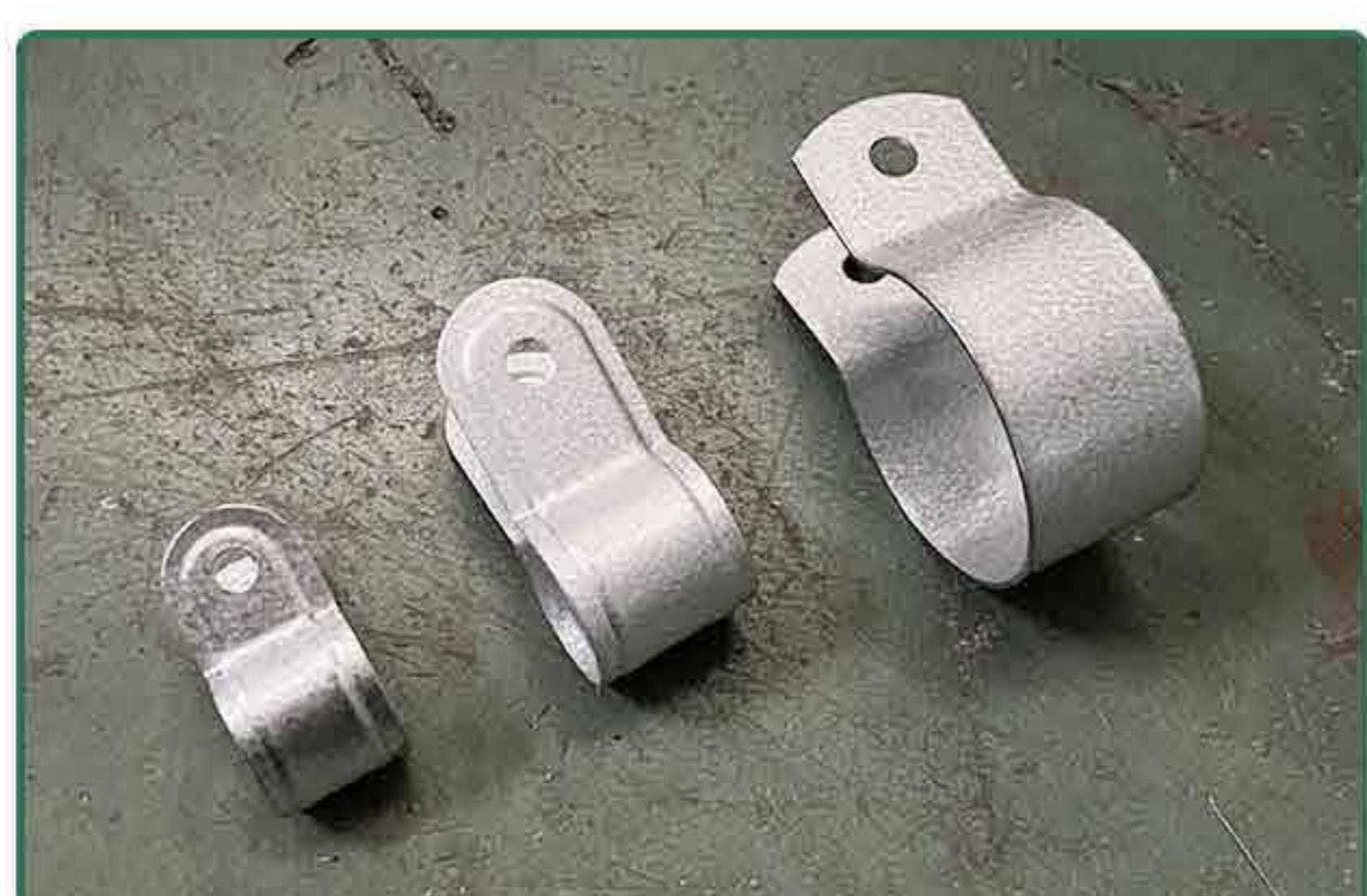
### 半包卡 Half strap

(热镀锌材质 / Material: Hot dip galvanized )

#### 常用规格/Specification

#### 厚度/Thickness

φ25mm	1.2mm
φ32mm	
φ42mm	



### 全包卡 Full strap

(热镀锌材质 / Material: Hot dip galvanized )

#### 常用规格/Specification 厚度/Thickness

φ25mm	1.2mm
φ32mm	
φ42mm	



### 卷绳筒 Reel

(铝合金/塑料材质 / Material: Aluminum alloy/plastic )



### V字钢丝夹 V clip

热镀锌材质

Material: Hot dip galvanized

厚度/Thickness: 1.2mm



### 大吊轮 Hanging wheel

镀锌板/尼龙滑轮

Material: Galvanized sheet/nylon pulley

厚度/Thickness: 2.0mm



### 直码/勾码 Screw shim

热镀锌材质

Material: Hot dip galvanized

厚度/Thickness: 2.75mm



### 卡铝连接片 Splice plate

热镀锌材质

Material: Hot dip galvanized

厚度/Thickness: 0.8mm



## 电动卷膜器 (配爬升器) Film roll up motor (with cliber)

电压 Voltage	功率 Power	转速 Rate	扭矩 (卷膜长度) Torque(Rollable length)
DC 24V	50W	3.8RPM	40N.m(可卷50米) can roll 50m
DC 24V	80W	3.8RPM	60N.m(可卷80米) can roll 80m
DC 24V	100W	3.5RPM	80N.m(可卷100米) can roll 100m
DC 24V	120W	3.5RPM	100N.m(可卷120米) can roll 100m



**手动侧部卷膜器**  
Manual roller

可卷长度/Rollable length:120m  
可卷高度/Rollable height:2m  
比速/Rate 4:1



**手动顶部卷膜器**  
Manual chain roller

可卷长度/Rollable length:120m  
可卷高度/Rollable height:1.5m  
比速/Rate 4:1



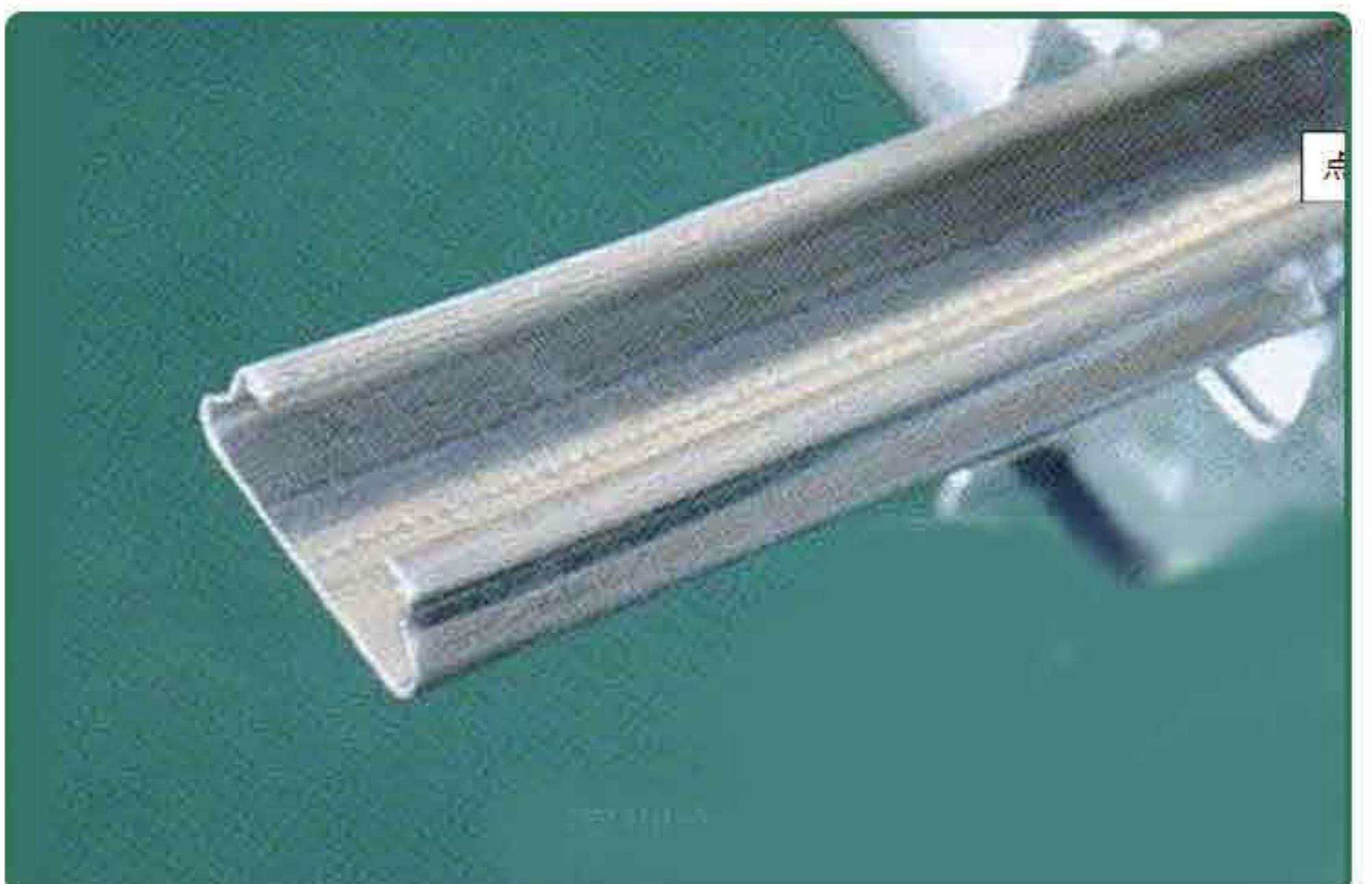
**涡轮卷膜器**  
Turbine film roller

可卷长度/Rollable length:40m  
可卷高度/Rollable height:1.5m  
比速/Rate 7.5:1



**铝制手动卷膜器(侧顶)**  
Aluminum manual roller  
(top & side)

可卷长度/Rollable length:100m  
可卷高度/Rollable height:5m  
比速/Rate 4:1



## 铝卡槽

Aluminum card slot

常规长度/Common length:6m

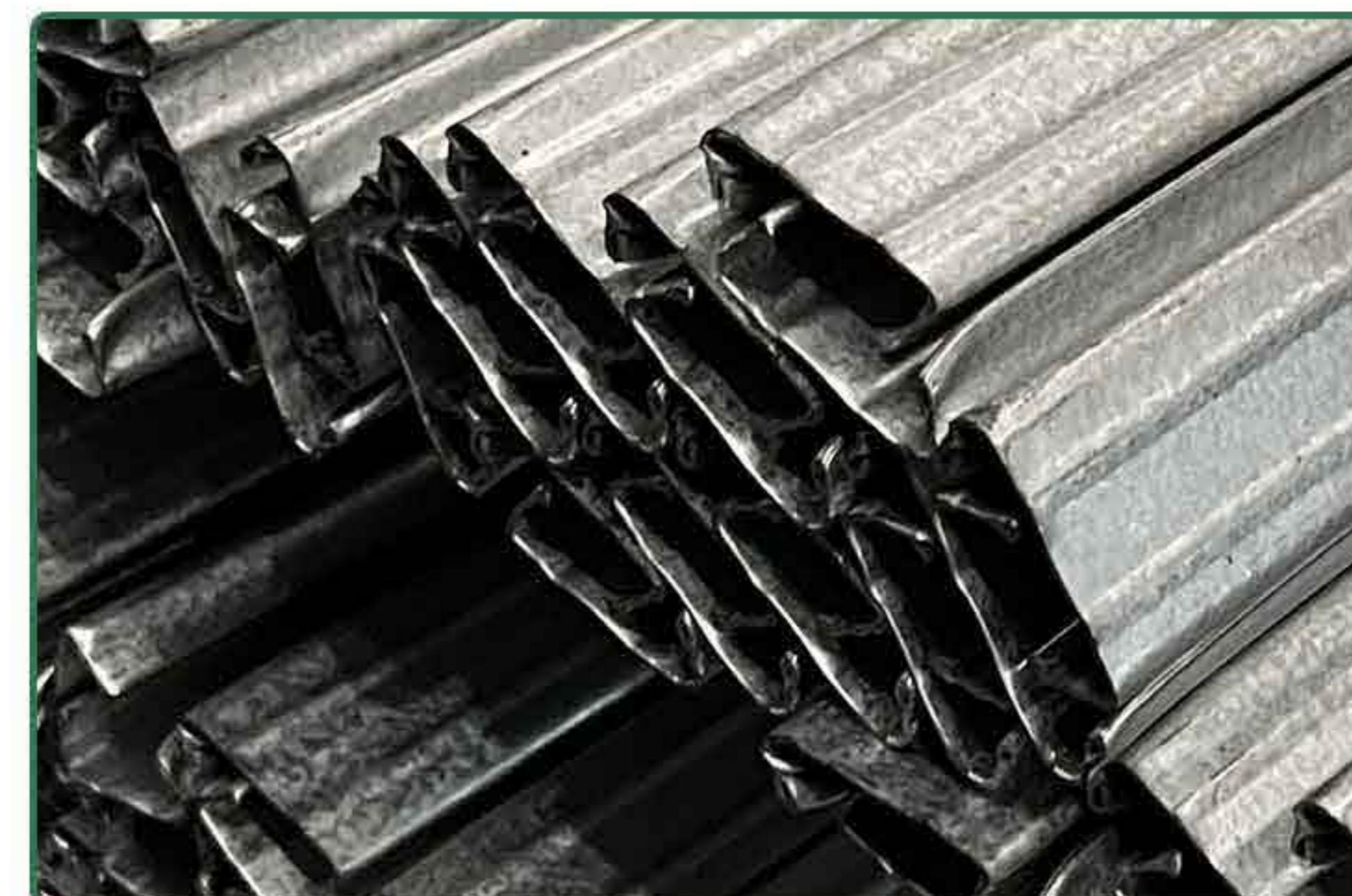
厚度/Thickness:0.7-1.2mm

(根据客户需求定制)

(Customized is available)

包装/Package: 20支/捆

20pcs/bundle



## 彩板卡槽

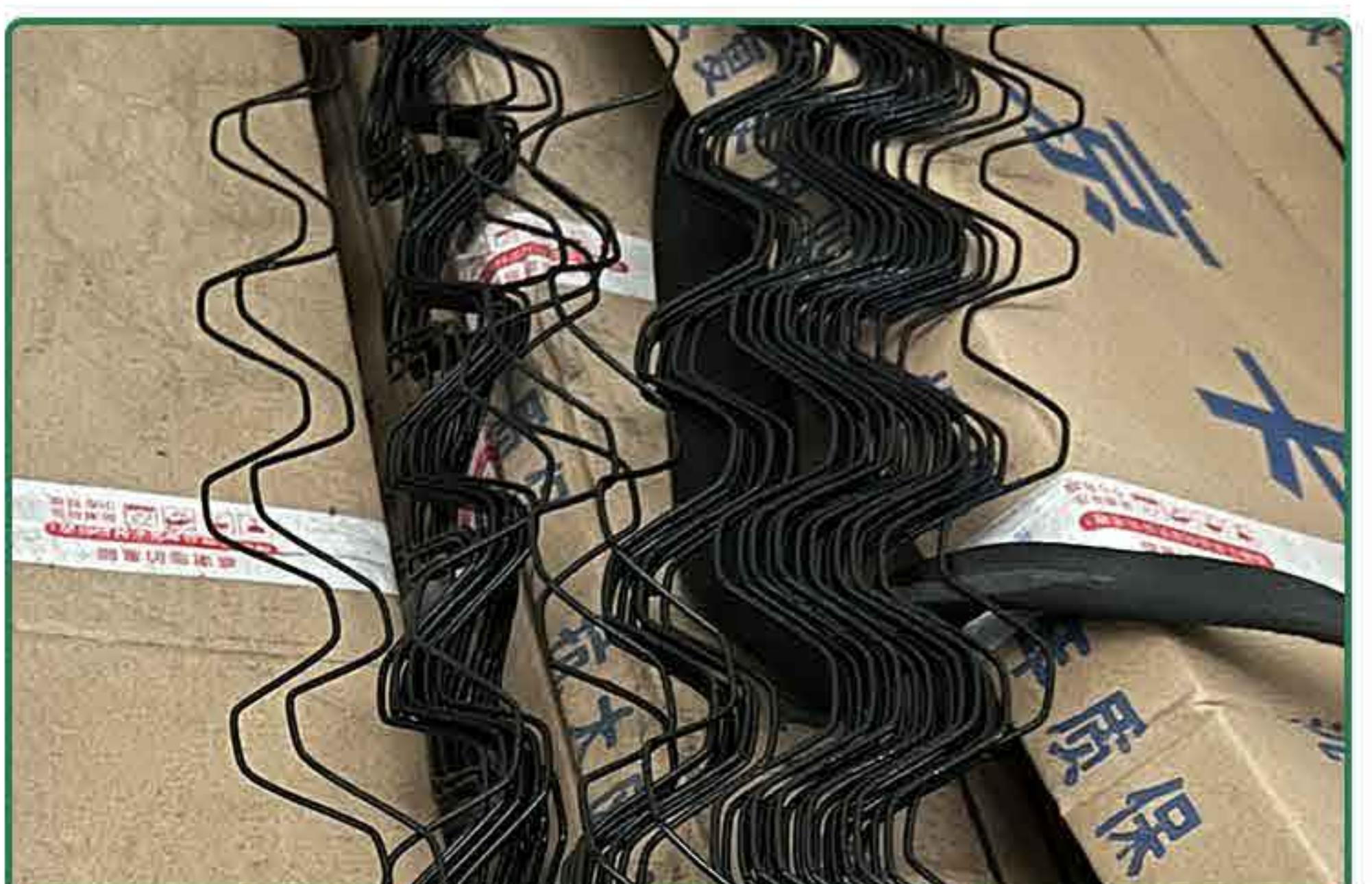
Color plate locking profile

常规长度/Common length:6m

厚度/Thickness:0.5/0.6/0.7mm

包装/Package: 10支/捆

10pcs/bundle



## 浸塑卡簧

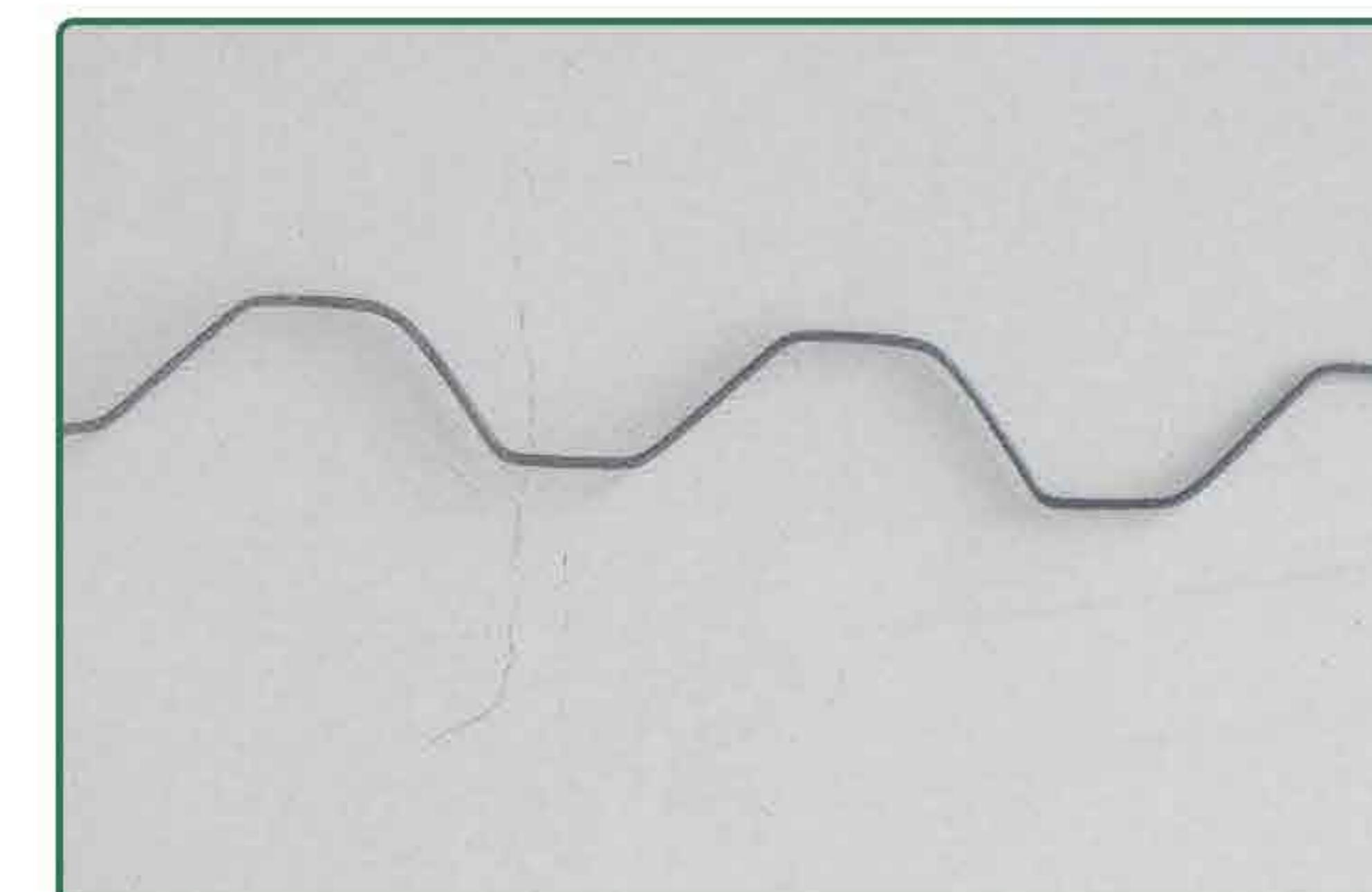
Plastic coating wiggle wire

钢丝直径/Diameter: 2.0mm

长度/Length: 2m

包装/Package: 500支/包

500pcs/Bag



## 不锈钢卡簧钢丝

Stainless steel wiggle wire

钢丝直径/Diameter: 2.0mm

长度/Length: 2m

包装/Package: 500支/包

500pcs/Bag



## 方卡槽

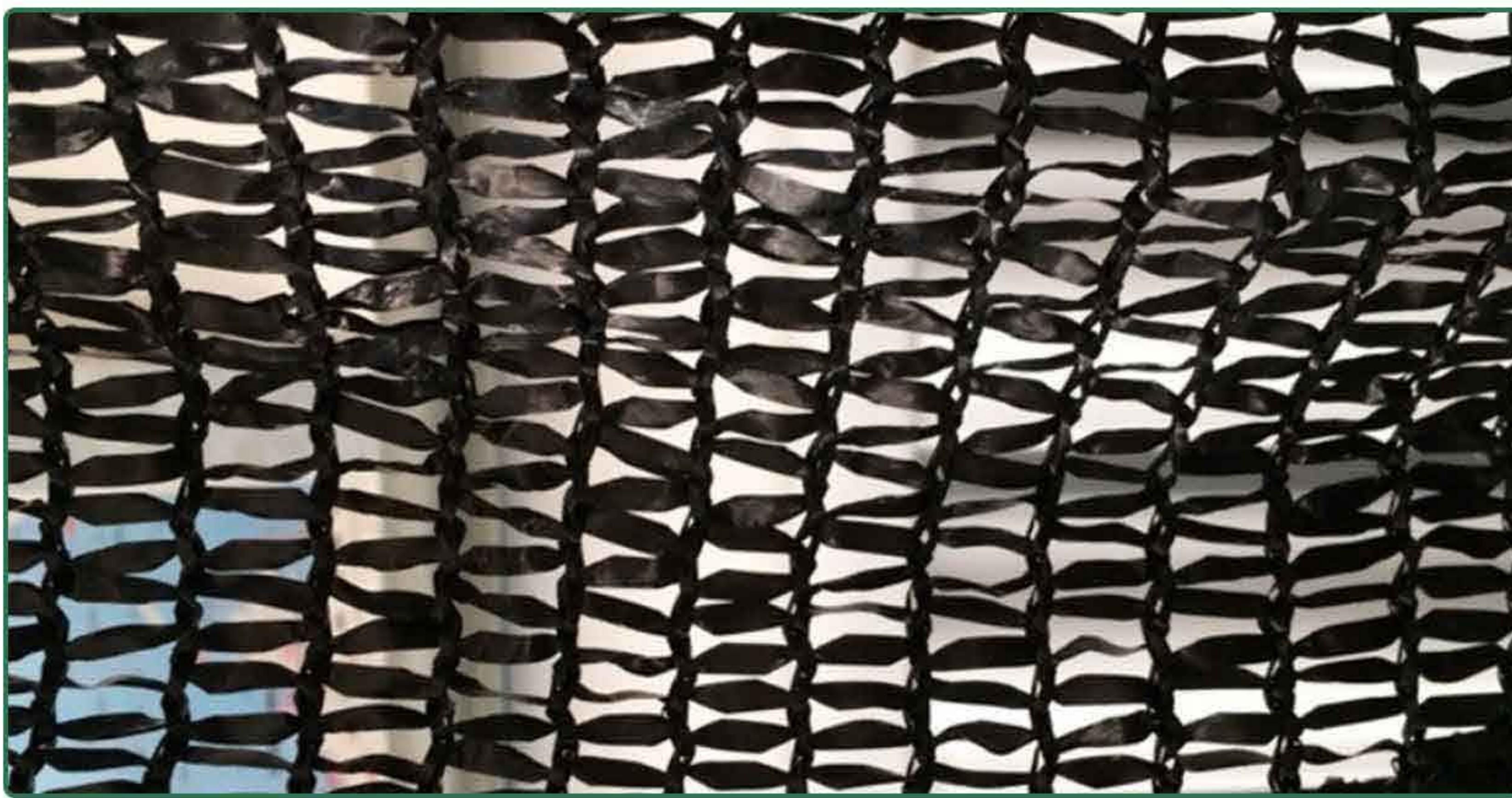
Square card slot

常规长度/Common length: 6m

厚度/Thickness: 0.7/0.8mm

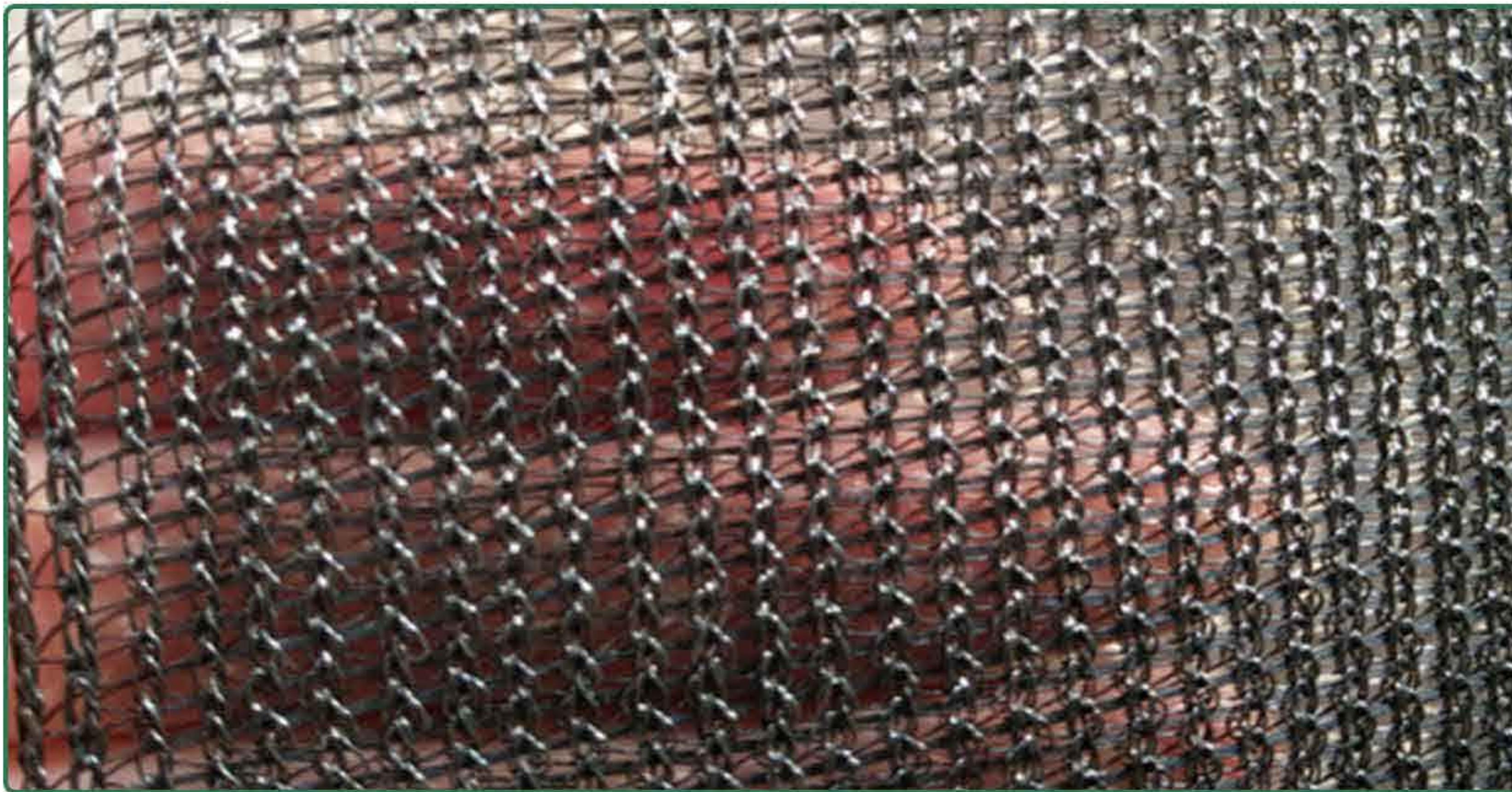
包装/Package: 8支/捆

8pcs/bundle



采用聚乙烯(HDPE),高密度聚乙烯 PE PB PVC 回收料 全新料 聚乙丙等为原材料, 经紫外线稳定剂及防氧化处理, 具有抗拉力强, 耐老化、耐腐蚀耐辐射、轻便等特点。

Uses high-density polyethylene(HDPE),PE,PB,PVC,recycled materials, new materials as raw materials,through UV stabilizers and anti-oxidation treatment,with strong tensile strength,aging resistance, Corrosion resistance,resistance,light weight and other characteristics.



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## 交织网 Woven mesh

颜色、遮阳率 Color,Shade rate	常规尺寸 Regular size				
	2*150m	3*150m	3.5*100m	4*100m	4.2*100m
黑色, 银色 50-55% Black,Silver 50-55%			-	-	-
黑色, 银色 60-65% Black,Silver 60-65%			-	-	
黑色, 银色 70-75% Black,Silver 70-75%	2*150m	3*150m			
黑色, 银色 80-85% Black,Silver 80-85%			3.5*100m	4*100m	4.2*100m
黑色, 银色 90% Black,Silver 90%					
黑色, 银色 95% Black,Silver 95%	3*100m		-	-	

## 圆丝遮阳网 Knitted mesh

颜色、遮阳率 Color,Shade rate	常规尺寸 Regular size		克重 Weight
	4.3*150m	6*100m	
黑色/Black 50-55%			120
黑色/Black 60-65%			130
黑色/Black 70-75%	4.3*150m	6*100m	145
黑色/Black 80-85%			170
黑色/Black 90%	4.3*100m		200

# 遮阳幕&防虫网&地布

Shading curtain & Insect proof net & Ground cover

## 铝箔遮阳保温幕

Aluminum foil shading thermal curtain



## 铝箔外遮阳帘幕

Aluminum foil external shading curtain



## 地布

Ground cover

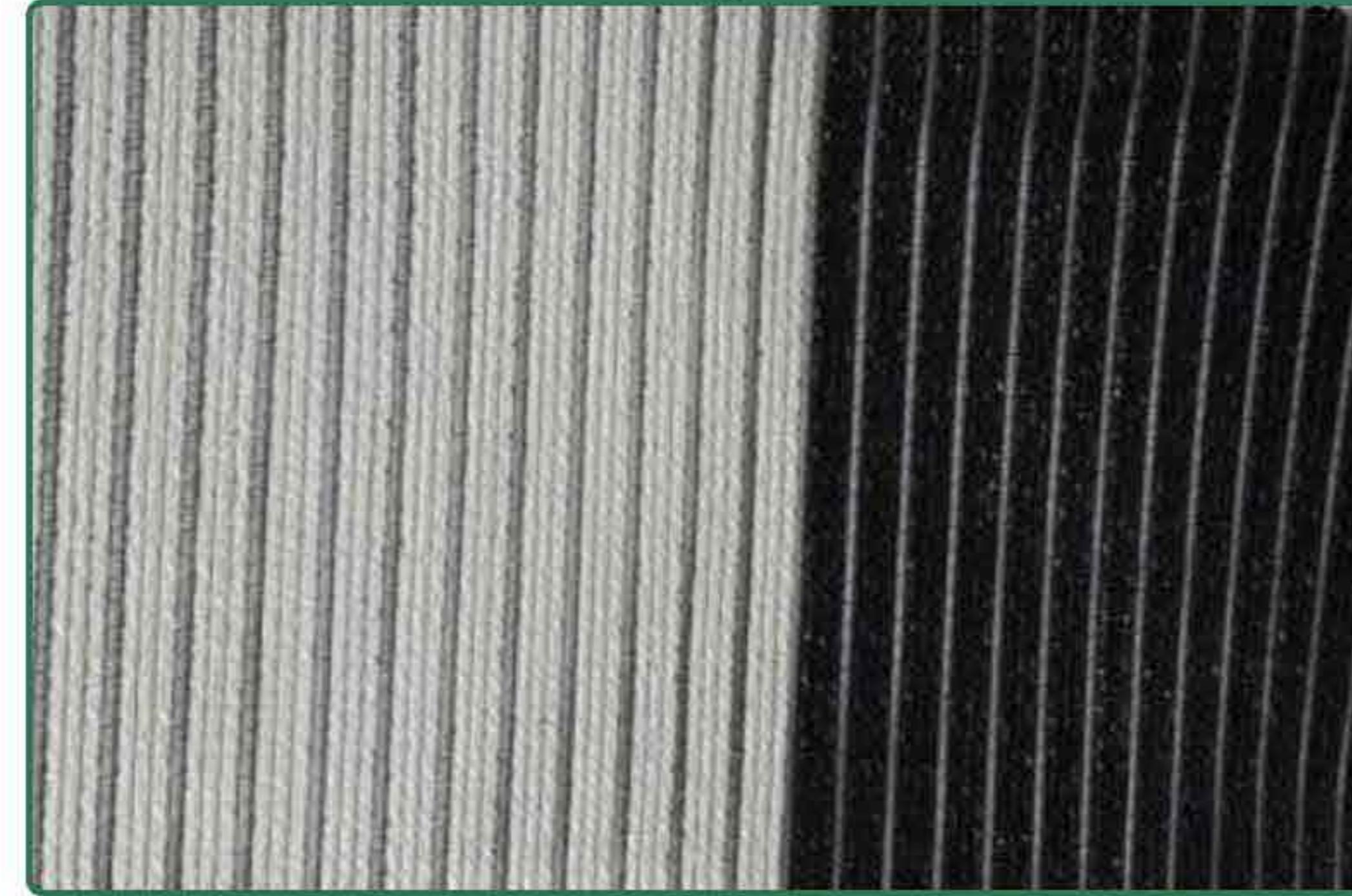
(PE 材质 / Material: PE)



遮阳率 Shade rate	常规宽度 Regular width
25%	
50%	
65%	4.3m
75%	
90%	

## 黑白遮阳帘幕

Black/White shading curtain



遮阳率 Shade rate	常规宽度 Regular width
50%	
60%	
70%	4.3m
90%	

## 防虫网

Insect proof net

材质: 高密度聚乙烯 / Material: high density polyethylene



目数 Mesh	常规尺寸 Regular size
32目/Mesh 32	1*450m 2*450m
40目/Mesh 40	1.2*450m 2.5*450m
60目/Mesh 60	1.5*450m 3*350m

## 地布钉

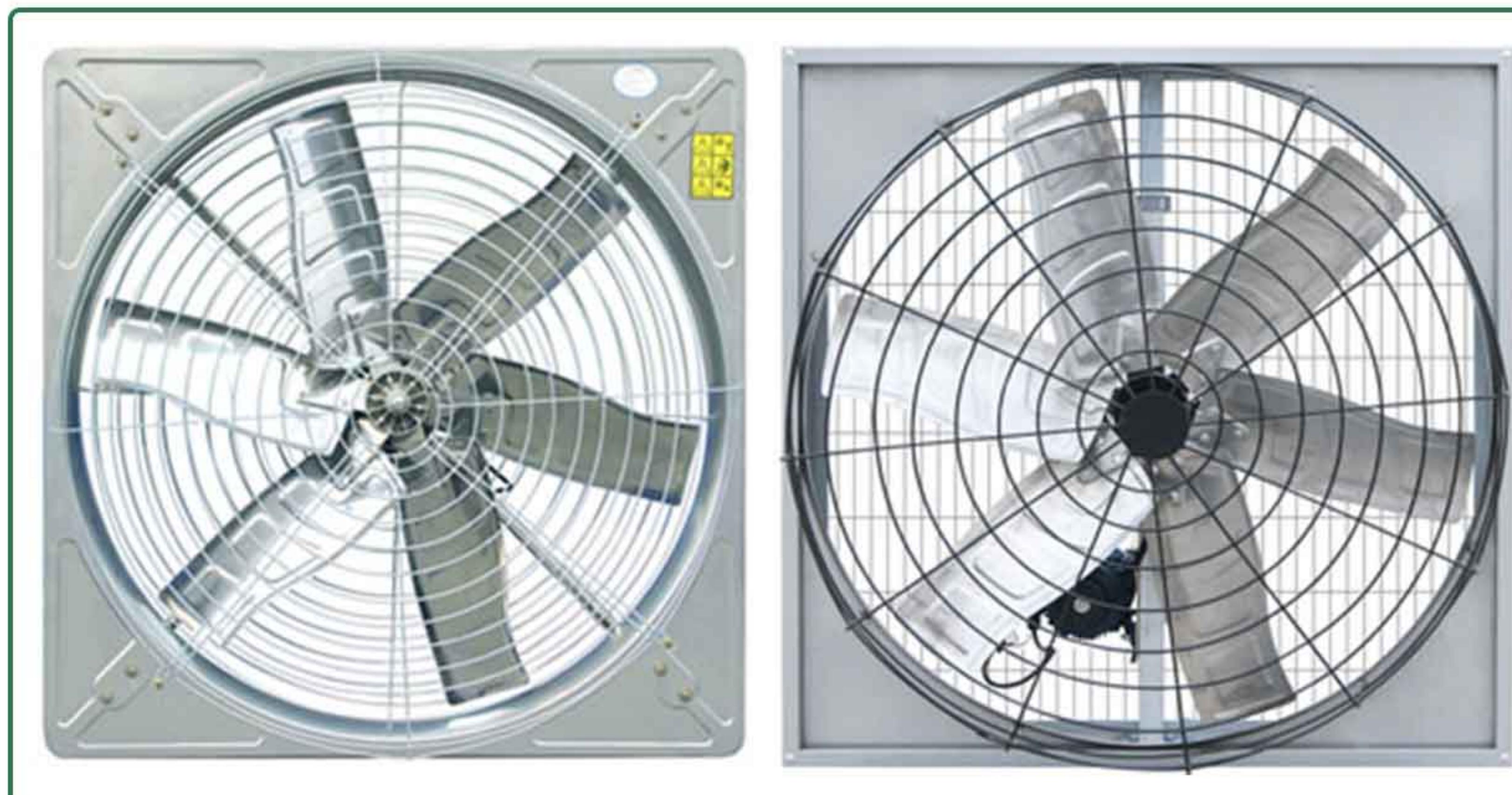
Ground cover nail

(PP 材质 / Material: PP) (长度 / Length: 15cm)



重量 (每平方米/克) Weight(sqm/g)	常规尺寸 Regular size	备注 remark
90克 (通用型) 90g(Common)	1*200m 2*200m 3*100m 4*100m 5*100m 6*100m	整件不裁剪 Whole pieces no clipping
80克 (通用型) 80g(Common)		
90克 (室外专用) 90g(Outdoor dedicated)		

## 负压风机 Negative Pressure Fan



Power (KW)	Air Flow (m³/h)	Voltage/Frequency (V/Hz)	Diameter (mm)	Noise (BA)	Weight (KG)	Rotate speed (r/min)	Size (mm)
1.1	44500	380/50	1270	68	75	445	1380*1380*400
0.75	37000	380/50	1110	65	60	485	1220*1220*400
0.55	32000	380/50	950	60	55	500	1060*1060*400
0.37	28000	380/50	790	55	50	520	900*900*400

**电机:** 认证高效节能全铜线电机。

**扇叶:** 航空铝合金板材一次冲压成型，美观耐用，风量大，噪音低。

**皮带:** 进口优质A型皮带，寿命长，在整个周期内免于频繁维修。

**皮带轮:** 热压铸造成型，材质轻，强度高，韧性好。

**百叶窗:** 百叶采用自动闭合装置，自动开合，防风防雨防尘。

**外框:** 表面后镀锌层保护，防腐蚀性强。

**防护网:** 高密度镀锌层，不易生锈，全面提高风机运行安全系统。

**Motor:** Certified high-efficiency energy-saving all-copper wire motor.

**Fan blade:** aviation aluminum alloy sheet is stamped and formed at one time, which is beautiful and durable, with large air volume and low noise.

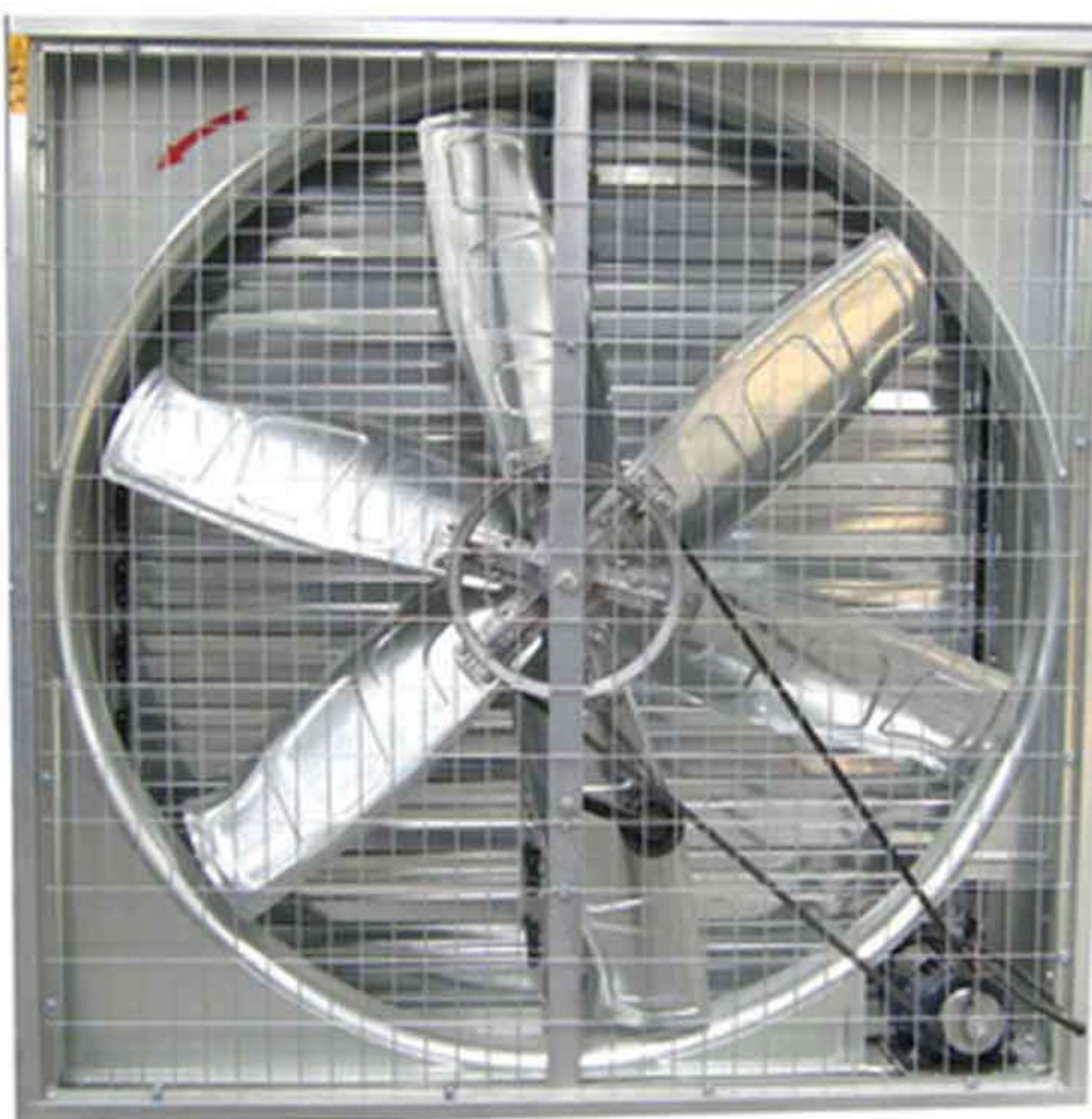
**Belts:** Imported high-quality A-type belts with long life and free from frequent maintenance throughout the cycle.

**Pulley:** Hot pressure casting, light material, high strength and good toughness.

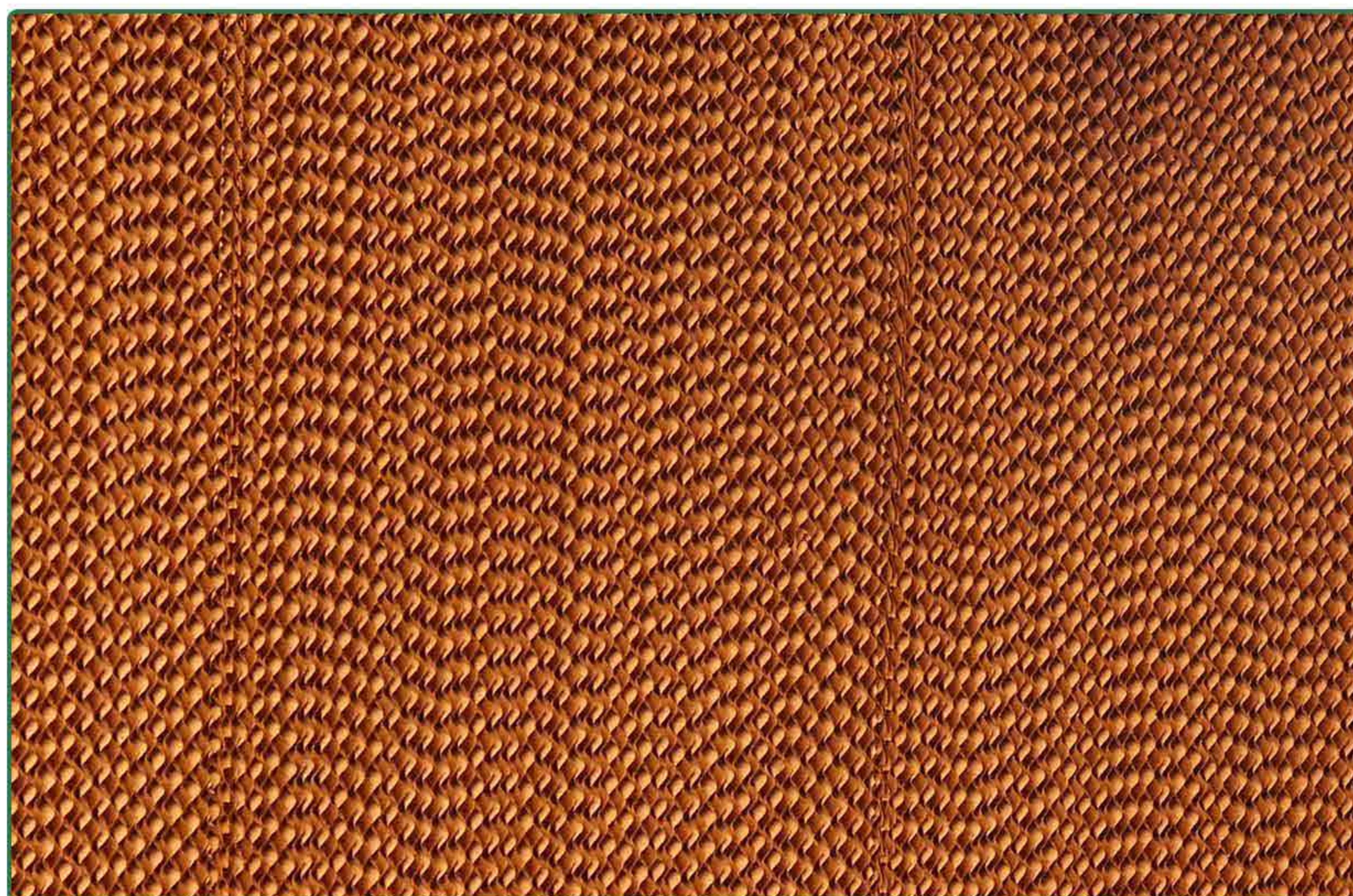
**Shutter:** The shutter adopts an automatic closing device, which automatically opens and closes, and is windproof, rainproof and dustproof.

**Outer frame:** The surface is protected by a galvanized layer with strong corrosion resistance.

**Protection net:** high-density galvanized layer, not easy to rust, and comprehensively improve the safety system of fan operation.



## 湿帘 Cooling pad

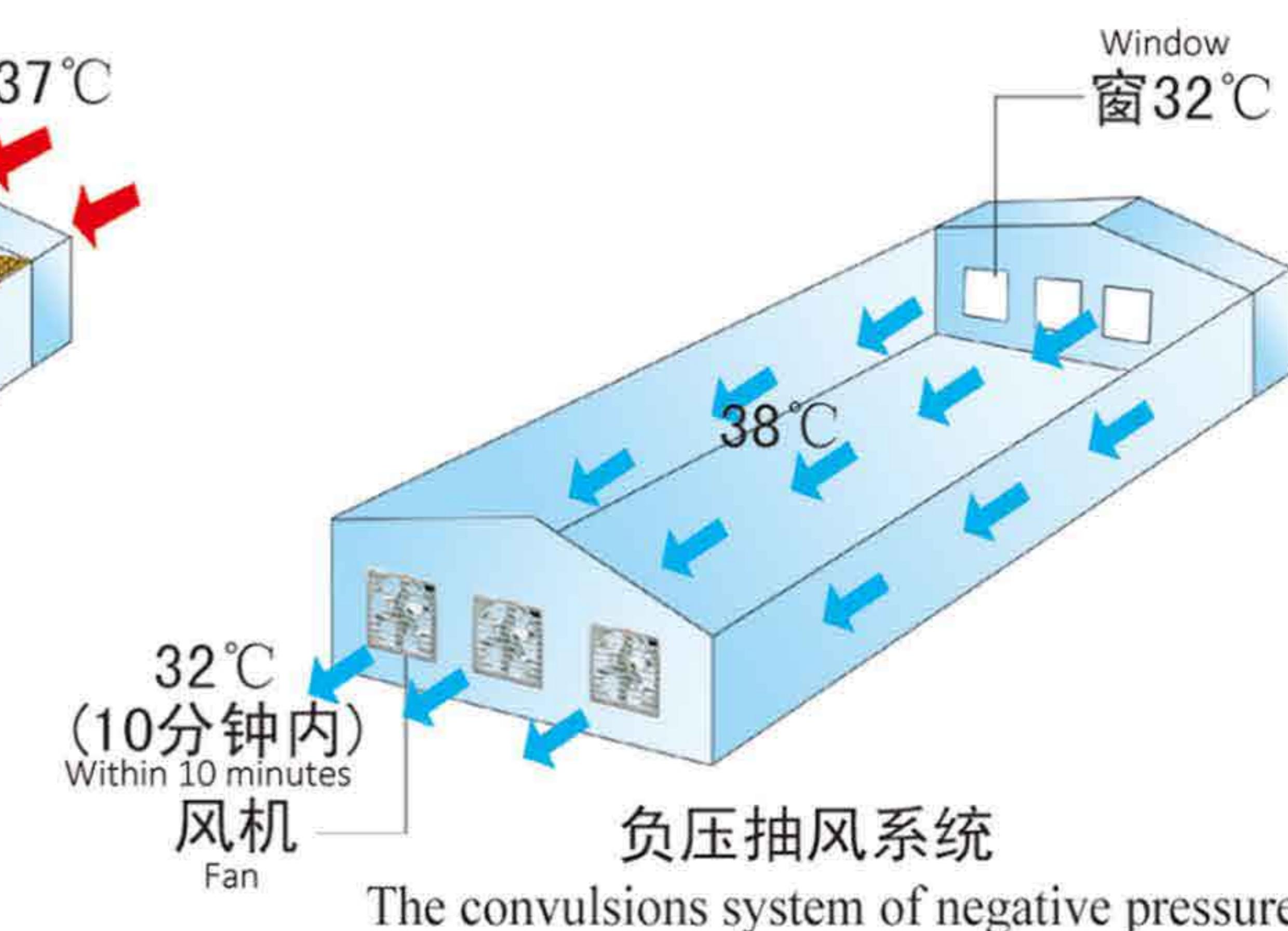
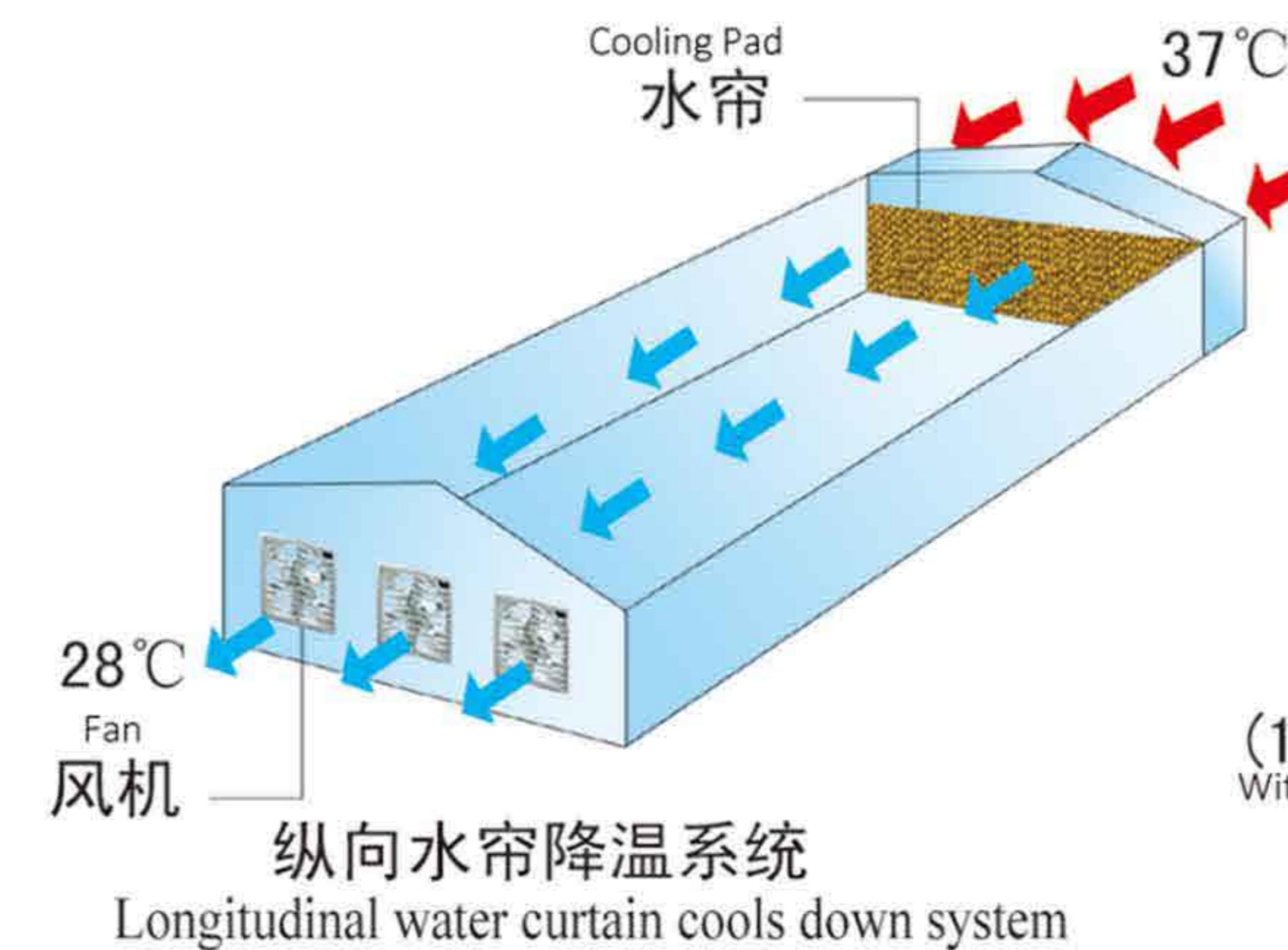
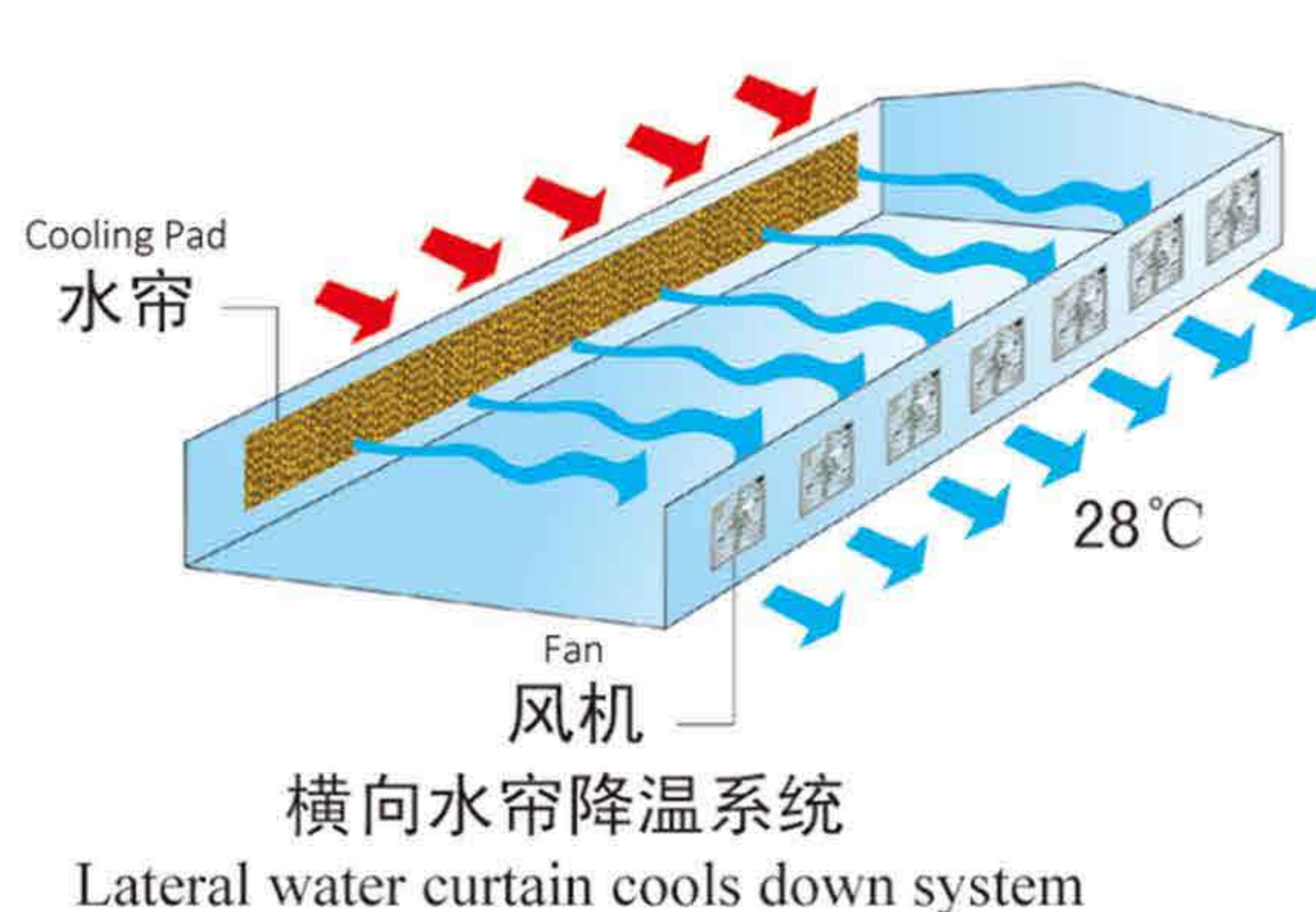


湿帘表面有一层薄薄的水膜，当外面的干热空气穿过被风机吸收的纸包装板时，薄薄的水膜上的水可以吸收空气的热量并蒸发成蒸汽。自然过程就像风吹过水位通风机和冷却垫一样，是夏季最有效、最经济的降温措施。

型号 Type	7090	6090	5090
湿帘高度/Height (mm)	1500/1800/2000	1500/1800/2000	1500/1800/2000
湿帘宽度/Width (mm)	600/300	600/300	600/300
湿帘厚度/Thickness (mm)	100/150/200/300	100/150/200/300	100/150/200/300
湿帘波纹高度 Ripple height (mm)	7	6	5
湿帘波纹角度 Corrugation angle (°)	45	45	45

There is a thin water film on the surface of corrugated fiber paper, when the dry heating air outside is crossing the paper packing plate absorbed by wind machine, the water on the thin water film can absorb the heat of air and evaporate into steam. then the cool and humid air can enter the room after treatment. The nature process is just like wind blowing on the water level Ventilation fan and cooling pad, best efficient and economic temperature drop measure in summer.

Schematic diagram of ventilation and cooling  
>> 湿帘通风降温示意图



# 苗床系统材料

Seedbed system

## 网片移动苗床

Wire mesh rolling bench



苗床支架采用热镀锌钢管，边框采用铝合金，苗床网表面采用镀层防腐处理；高度可进行微调，具有防翻限位装置，且可以在任意苗床之间产生0.8m的作业通道。

性能特点：

1. 它能有效的提高温室的利用率，通常能使温室使用面积达85%左右。
2. 系统稳定、可靠、美观、高档。



转动手轮，即可使苗床的板面进行平面移动

Turn the handwheel to move the surface of the seedbed.

## 双层网片移动苗床

Double-layer mesh mobile seedbed



The seedbed support is made of hot-dip galvanized steel pipe, the frame is made of aluminum alloy, and the surface of the seedbed net is treated with anti-corrosion coating; Height can be fine-tuned, with anti-roll limit device, and can produce 0.8m action between any seedbed industry channel.

Features:

1. It can effectively improve the utilization rate of the greenhouse, usually making the area of the greenhouse reach about 85%.
2. The system is stable, reliable, beautiful and high-grade.

## 塑胶苗床网

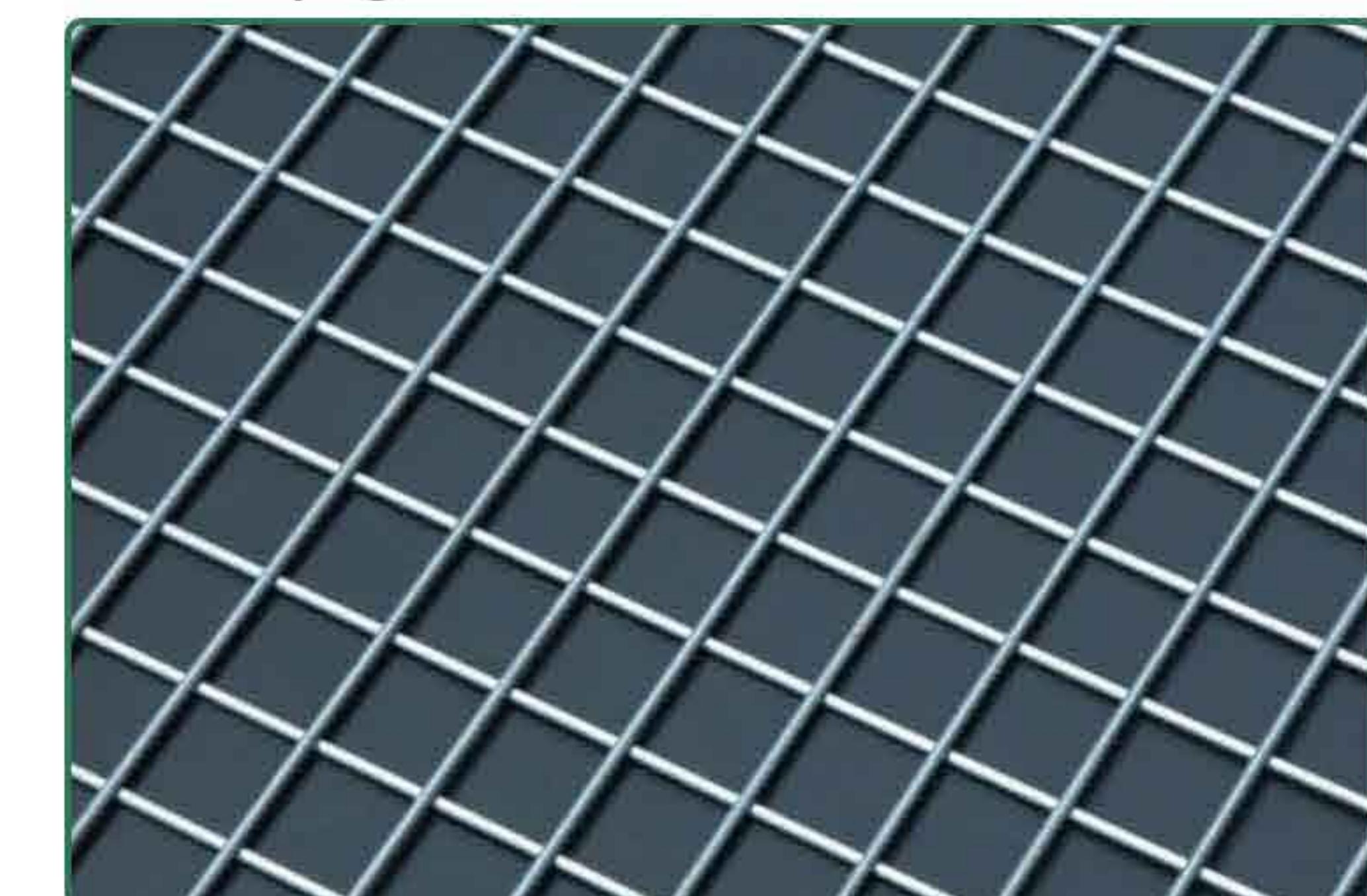
Plastic bench mesh



常用宽度 Width	常用长度 Length	网格大小 Mesh size
0.95m	1.8m	40mm*40mm
0.95m	1.75m	

## 热镀锌苗床网

Hot dip galvanized bench mesh



常用宽度 Width	常用长度 Length
任意定制 Customized	

### 潮汐式苗床

Ebb and flow bench



#### 性能特点:

1. 节省劳动成本
2. 多功能系统
3. 可以自动高效的浇灌一英亩或更多的土地
4. 作物均匀浇水，避免浇水方式不佳造成损失
5. 植物在灌溉时根部充分吸收营养
6. 兼容许多计算机控制系统

#### Features:

1. Save labor cost
2. Multifunctional system
3. Can automatically and efficiently water an acre or more of land
4. The crops are evenly watered to avoid losses caused by poor watering methods
5. The roots of the plants fully absorb nutrients during irrigation
6. Compatible with many computer control systems

潮汐苗盘标准 / Tray standard size: 4\*8ft(1.22\*2.44m), 5\*5.6ft(1.53\*1.7m), 5.6\*14.6ft(1.7\*4.45m)

苗床宽度 / Bench width: 3ft(0.91m), 4ft(1.22m), 5ft(1.53m), 5.6ft(1.7m), 5.83ft(1.78)

可定制拼接任意长度 / Can solice any length in customized

苗床标准高度 / Bench standard height: 约70cm, 可调节8-10cm (其他高度可定制)

About 70cm, can adjust 8-10cm(Other height can be customized)

移动距离 / Move distance: 每侧可移动25-30cm Move 25-30cm(Each side)

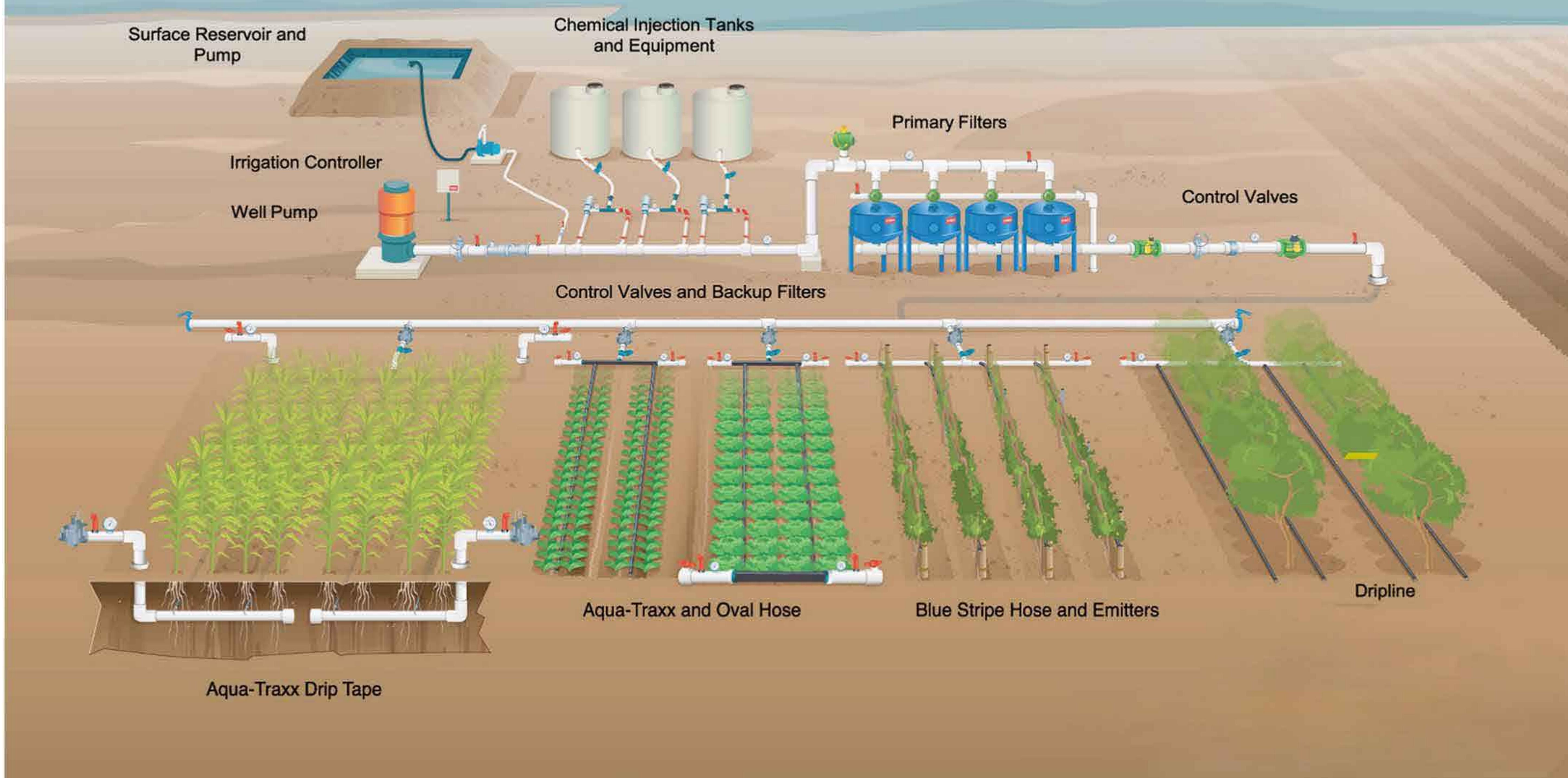
材料 / Material: ABS苗盘, 铝合金边框, 热镀锌苗床脚

ABS tray, aluminum alloy frame, hot dip galvanized leg.

负载范围 / Load range: 45-50kg / m<sup>2</sup>

防紫外线 UV protective ability

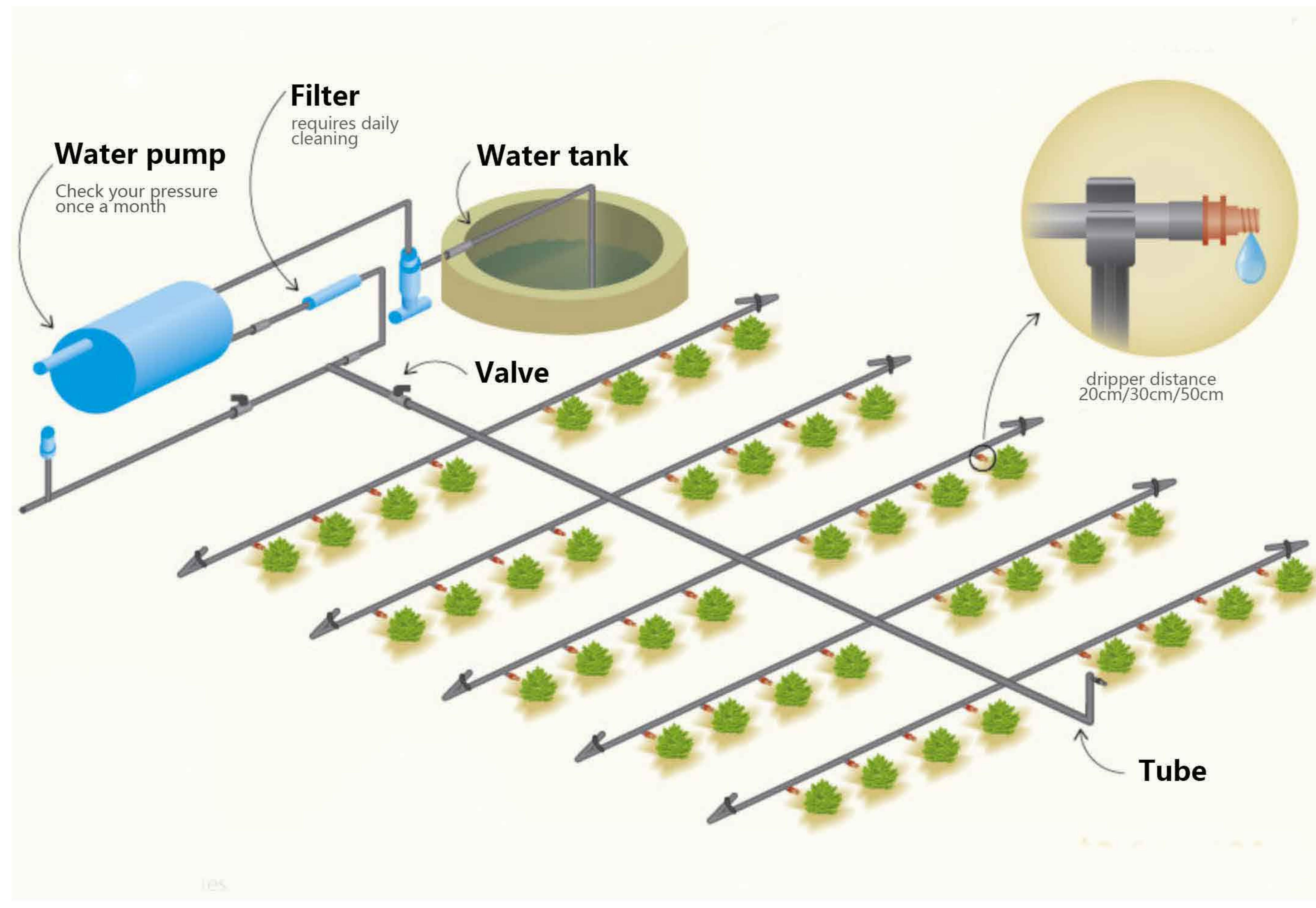
# Typical Drip System Layout



滴灌 (Drip irrigation) 是利用塑料管道将水通过直径约10mm 毛管上的孔口或滴头送到作物根部进行局部灌溉。它是目前干旱缺水地区最有效的一种节水灌溉方式，水的利用率可达95%。滴灌较喷灌具有更高的节水增产效果，同时可以结合施肥，提高肥效一倍以上。可适用于果树、蔬菜、经济作物以及温室大棚灌溉，在干旱缺水的地方也可以用于大田作物灌溉。

Drip irrigation is the use of plastic pipes to pass water through a diameter of about 10mm. The orifice or dripper on the capillary is sent to the root of the crop for local irrigation. It is currently the most effective water-saving irrigation method in arid and water-deficient areas, up to 95%. Drip irrigation has higher water-saving and yield-increasing effects than sprinkler irrigation, and can be combined with Fertilize to more than double the fertilizer efficiency. Applicable to fruit trees, vegetables, cash crops and Greenhouse irrigation can also be used for field crop irrigation in dry and water-deficient places.





滴灌系统主要由首部枢纽、管路和滴头三部分组成。

1.首部枢纽：包括水泵（及动力机）、施肥罐、过滤器、控制与测量仪表灯。其作用是抽水、施肥、过滤，以一定的压力将一定数量的水送入干管。

2.管路：包括干管、支管、毛管以及必要的调节设备（如压力表、闸阀、流量调节器等）。其作用是将加压水均匀地输送到滴头。

3.滴头：其作用是使水流经过微小的孔道，形成能量损失，减少其压力，使它以点滴的方式滴入土壤中。滴头通常放在土壤表面，亦可以浅埋保护。

The drip irrigation system is mainly composed of three parts: the first hub, the pipeline and the dripper.

1. The first hub: including water pump (and power machine), fertilization tank, filter, Control and measure instrument lights. Its function is to pump water, fertilize, filter, and A certain amount of water is fed into the mains at a certain pressure.

2. Pipeline: including main pipe, branch pipe, capillary pipe and necessary adjustment equipment

(such as pressure gauges, gate valves, flow regulators, etc.). Its function is to pressurized water Delivers evenly to the dripper.

3. Dripper: Its function is to make the water flow through tiny pores, resulting in energy loss,

Reduce its pressure so that it drips into the soil in a spot-on fashion. Drippers are usually On the soil surface, it can also be buried shallowly for protection.



## 滴灌带 Drip tape (Material: PE)



规格 Specification	折径 Fold diameter(mm)	管径 Pipe diameter(mm)	厚度 Thickness(mm)
N80*0.6mm*100m	80	48	0.65
N65*0.3mm*200m	65	42	0.3
N50*0.3mm*100m	50	32	0.3
N50*0.2mm*200m	50	32	0.2
N45*0.3mm*100m	45	25	0.3
N45*0.2mm*200m	45	25	0.2

## 滴灌管 Drip pipe (Material: PE)



规格/Specification Diameter / Thickness / Hole Distance	包装 Package
直径DN16, 壁厚0.6mm, 间距200mm	
直径DN16, 壁厚0.6mm, 间距300mm	
直径DN16, 壁厚0.6mm, 间距500mm	
直径DN16, 壁厚0.8mm, 间距200mm	
直径DN16, 壁厚0.8mm, 间距300mm	
直径DN16, 壁厚0.8mm, 间距500mm	
直径DN16, 壁厚1mm, 间距200mm	
直径DN16, 壁厚1mm, 间距300mm	
直径DN16, 壁厚1mm, 间距500mm	

500m/卷  
500m/Roll

壁厚/Thickness	mm	0.60	0.70	0.80	0.90	1.00	0.60	0.70	0.80	0.90	1.00	1.10	1.20
滴头间距 Distance	cm						20-200						
现在流量 Flow	升/小时 L/Hour		2			3				4			
工作压力 Pressure	公斤/KG						0.8-1.2						

# 喷灌设备材料

Irrigation system



滴头  
Dripper



地箭  
Land insert



旋转喷头  
Rotating sprinkler



补偿滴头  
Pressure compensation  
dripper



G型喷头  
G type nozzle



十字雾喷头  
Fog nozzle



PE管承接阀门  
PE pipe valve



PE管承接旁通  
PE pipe bypass



PE管堵头  
PE pipe plug



一出二分流器  
Diverter



PE管接头  
Diverter



PE管异径直通  
PE pipe reducing  
coupling



PE管旁承直通  
PE pipe sid  
bearing coupling



一出四分流器  
Diverter



PE管三通  
PE pipe tee



PE管弯头  
PE pipe elbow



PE管直通  
PE pipe coupling



毛管单挂钩  
Single inverted hook



滴灌三通  
Drip irrigation tee



滴灌堵头  
Drip irrigation plug



滴灌直通  
Drip irrigation  
coupling



雾化微喷头  
Drip irrigation  
coupling



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