



# WALCOOM

Walcoom Corporation



# PLASTIC MESH

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## Plastic protective netting

Walcoom plastic protective netting can be divided into three types: grass protection mesh, grass reinforcement mesh and tree guards.

Grass protection mesh and grass reinforcement mesh are mainly used in the slope, construction site, walkway or channel of wheelchair user, permanent or temporary parking lot to protect grass or strengthen the foundation. They protect the roots of grass and will not limit the growth of grass. In addition, it also distributes the weight of load more evenly to prevent the damage of ground. As for tree guards, it protects the trees from attacking by rabbit, deer or some people.



### Feature

- High tensile strength, UV resistant, acid and alkali resistance, chemical and rot resistance.
- Mesh opening structure allows the air flow and provides good drainage function.
- Protect the roots of grass, will not limit the growth of grass.
- Distribute the weight of load more evenly, reduce and eliminate ground damage.
- Environmental friendly. Materials are recyclable and do not harm the environment
- Lightweight and easy to install.

### Specification

- **Material:** High density polyethylene (HDPE).
- **Color:** Green, black, green + brown.
- **Type**
  - **Grass protection mesh**
    - ◆ **Common grass protection mesh**
      - ▲ **Mesh type:** hexagonal.
      - ▲ **Size:** 1.3 m × 25 m.
      - ▲ **Mesh size (mm):** 22 × 27, 25 × 29, 27 × 30.
      - ▲ **Weight:** 550 g/m<sup>2</sup> or 660 g/m<sup>2</sup>.
    - ◆ **Anti-slip grass protection mesh**
      - ▲ **Mesh type:** 3:1 ratio diamond oval.
      - ▲ **Thickness:** 9 mm, 11 mm, 13 mm.
      - ▲ **Roll size:** 1 m × 10 m, 2 m × 20 m.
  - **Grass/Turf reinforcement mesh:** standard, premium, heavy duty.
    - ◆ **Thickness:** 4.0–9.5 mm.
    - ◆ **Mesh type:** square, rhomboidal.
    - ◆ **Mesh size (mm):** 3.56 × 3.56, 3.18 × 3.18, 3.49 × 3.18, 15 × 15, 25 × 25.
    - ◆ **Roll size (m):** 1 × 10, 2 × 20, 2 × 30.



■ **Tree guards:** square, rectangular, reinforced, lay flat.

◆ **Square mesh tree guards**

- ▲ Mesh size (mm): 12 × 12, 13 × 13.
- ▲ Height (cm): 45, 60, 75, 90, 120, 150 and 180.
- ▲ Weight: 366 g/m<sup>2</sup> for 13 mm mesh size and 440 g/m<sup>2</sup> for 12 mm mesh size.
- ▲ Diameter: 60–120 cm.
- ▲ Roll length: 50 m.

◆ **Rectangular mesh tree guards**

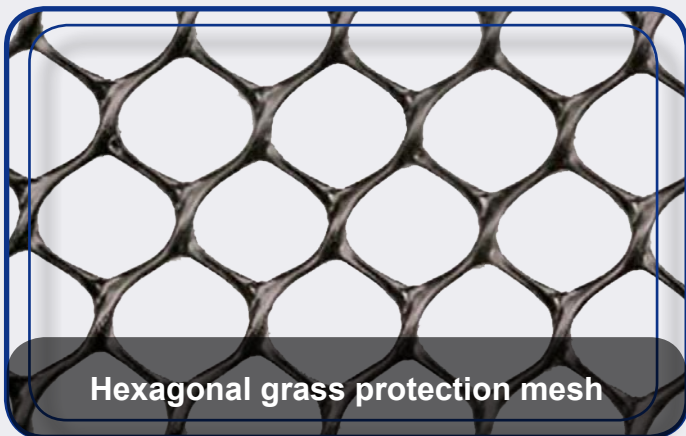
- ▲ Mesh size: 37 mm × 23 mm.
- ▲ Height: 60–140 cm.
- ▲ Weight: 533 g/m<sup>2</sup>.
- ▲ Diameter: 450 mm.
- ▲ Roll length: 50 m.

◆ **Reinforced tree guards**

- ▲ Mesh size: 45 mm × 25 mm.
- ▲ Roll length: 50 m.
- ▲ Height: 1 m.
- ▲ Weight: 500 g/m<sup>2</sup>.

◆ **Lay flat tree guards**

- ▲ Mesh size (mm)
  - \* Fine mesh: 2 × 2, 3 × 3, 4 × 4.
  - \* Standard mesh: 12 × 12, 13 × 13.
- ▲ Height (m): 0.6, 0.75, 1.2, 1.5, 1.8, etc.
- ▲ Diameter (cm): 10, 11, 12, 15, 17, 20, 25, 30, etc.



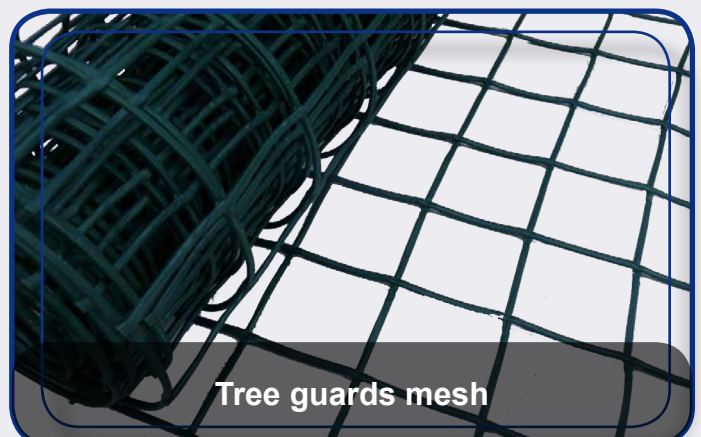
Hexagonal grass protection mesh



Anti-slip grass protection mesh



Grass reinforcement mesh



Tree guards mesh

**Table 1: Technical Data of Anti-Slip Grass Protection Mesh**

Item	Thickness (mm)	Weight (kg/m <sup>2</sup> )	Tensile Strength MD (kN/m)	Yield Point Elongation MD
AGPM-01	9	1.0	6.5	25%
AGPM-02	11	1.4	9.5	25%
AGPM-03	13	1.8	11.5	25%

**Table 2: Specification of Grass Reinforcement Mesh**

Item	Thickness (mm)	Mesh Size (mm)	Weight (g/m <sup>2</sup> )	Roll Size (m)	Roll Weight (kg)	Loading (tonne/m <sup>2</sup> )
Standard	4.0	25 × 25	460	2 × 30	28	1
Premium	4.0	25 × 25	650	2 × 30	39	2
Heavy Duty	9.5	15 × 15	1250	2 × 30	75	8

## Application

Tree guards can be used to prevent rabbits, deer and other animals from biting tree bark. And it also protect the tree against damaging from lawn movers or trimmers. Except for that, plastic protective netting also can be used in many place, such as:

- Soft Permanent or temporary parking lot.
- Construction site.
- Walkway or channel of wheelchair user.
- Slope.

## Plastic rigid mesh tube

Plastic rigid mesh tube is formed by extrusion, so its structure is more sturdy and stable than sutural mesh tube.

Just because of the high strength, first, it can be used as external protective cover to protect the filter elements against damaging during handling and cleaning; second, it also can be used for supporting or filtering and separating in filter cartridges; third, it can be used in anode cells, ultra filters, anolyte circulation system.

In addition, coupled with the features of anti-rust and anti-corrosion, it is durable and can be used for a long time.

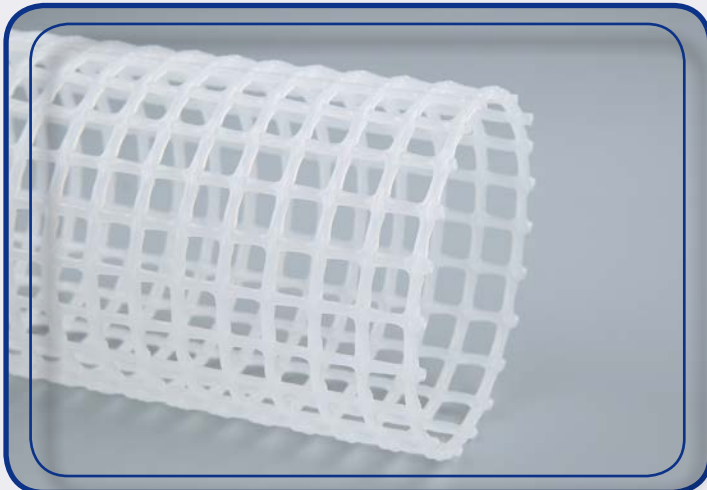


## Feature

- High strength with stable structure.
- Anti-rust and anti-corrosion.
- High and low temperature resistant.
- UV resistant.
- Acid and alkali resistant.

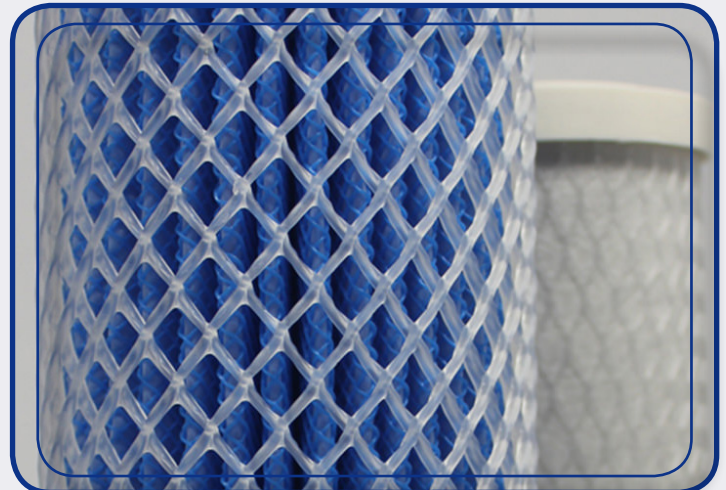
## Specification

- **Name:** Plastic rigid mesh tube, plastic netting tube, plastic mesh extruded tube.
- **Material:** PP, HDPE.
- **Hole shape:** Square, diamond.



Square opening on plastic rigid mesh tube

- **Diameter:** 30–140 mm.
- **Open area:** 30% – 75%.



Diamond opening on plastic rigid mesh tube

- **Thickness:** 2–6 mm.
- **Color:** White, black.

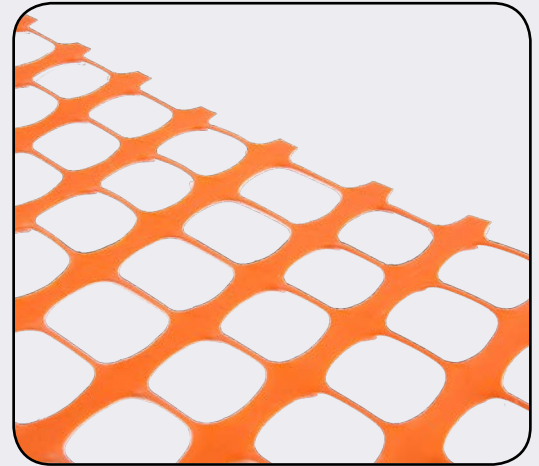
## Application

Plastic rigid mesh tube can be used for supporting or filtering and separating in filter cartridges. Except for that, it also can be used in many place, such as:

- Anode cells.
- Anolyte circulation system.
- Ultra filters.

## Plastic safety netting

Walcoom plastic safety netting mainly includes three types of product: paintball barrier netting, orange safety fence and warning barrier fence. Paintball barrier netting is mainly used in the paintball games to protect the safety of audience. Although the paintball barrier netting does not eliminate all damage, the correct installation can greatly reduce the frequency and severity of the damage. And both the orange safety fence and warning barrier fence can be used as security fence or warning barrier in construction site, traffic control, sporting event, home, garden and railway.



### Feature

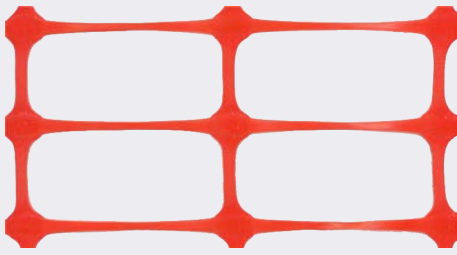
- Highly visible.
- UV resistant.
- Lightweight and easy to install and remove.
- Anti-rust and anti-corrosion.
- More economical than conventional chain link fence or wooden fence.
- Durable with longer lifespan, and can be used for several years.

### Specification

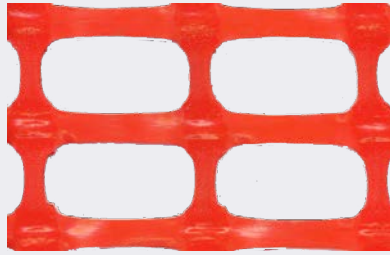
- **Material:** HDPE, PE, PP.
- **Color:** Black, white, green, yellow, gray, blue, orange, red or by requirements.
- **Package:** Pallet, bulk.
- **Type:**
  - **Paintball barrier netting**
    - ◆ **Net weight:** 50–300 g/m<sup>2</sup>.
    - ◆ **Mesh size (mm):** 10 × 10, 15 × 15, 17 × 17, 20 × 20.
    - ◆ **Width:** 1 m, 2 m, 4 m or by requirements.
    - ◆ **Using life:** 2–3 years, under normal weather conditions and usage.
    - ◆ **Height:** 3.7 or 5.8 m.
    - ◆ **Standard:** ASTM F2184-10.
  - **Orange safety fence**
    - ◆ **Width (m):** 90–120 cm.
    - ◆ **Mesh size (mm):** 30 × 40, 30 × 50, 60 × 60, 66 × 26, 100 × 26, 105 × 60.
    - ◆ **Weight (g/m<sup>2</sup>):** 100, 120, 160, 200, 220, 240, 270, 280, 350.
    - ◆ **Roll size:** 30 × 1.0, 30 × 1.2, 50 × 1.0, 50 × 1.2, 50 × 1.5, 50 × 1.8.
  - **Warning barrier fence**
    - ◆ **Width (m):** 1, 1.2, 1.22, 1.5, 1.8.
    - ◆ **Weight (g/m<sup>2</sup>):** 80, 90, 100, 110, 120, 140, 160, 180, 200, 220, 230, 260, 270, 280, 350, 400, 500.
    - ◆ **Mesh type:** rectangular, oval and diamond.



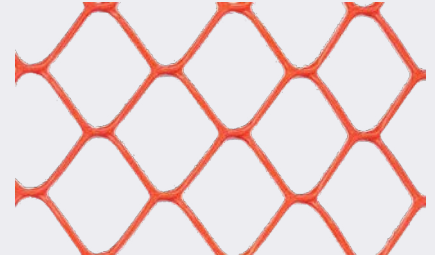
## Plastic Mesh



**Rectangular warning barrier fence**

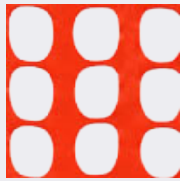


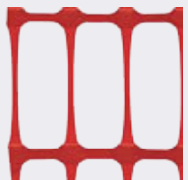
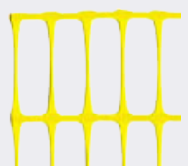
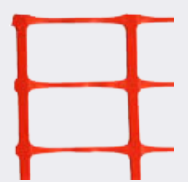


**Oval warning barrier fence**



**Diamond warning barrier fence**

**Table 3: Specification of Orange Safety Fence**

Item	Figure	Mesh (mm)	Weight (g/m <sup>2</sup> )	Roll Size (m)
OSF-01		30 × 40	100/120/160/200/240/280	50 × 1.0
				50 × 1.2
				50 × 1.5
				50 × 1.8
OSF-02		30 × 50	120/160/200/240/280	50 × 1.0
				50 × 1.2
				50 × 1.5
				50 × 1.8
OSF-03		60 × 60	270/350	30 × 1.0
				30 × 1.2
OSF-04		66 × 26	160/200/220	50 × 1.0
				50 × 1.2
OSF-05		100 × 26	120	50 × 1.0
				50 × 1.2
OSF-06		105 × 60	120	50 × 1.0
				50 × 1.2

**Table 4: Specification of Rectangular Warning Barrier Fence**

Item	Mesh (mm)	Weight (g/m <sup>2</sup> )	Width (m)
RWBF-01	110 × 40	80	1
RWBF-02	110 × 50	80	1.2, 1.22
RWBF-03	100 × 26	90	1, 1.2, 1.22
RWBF-04	100 × 40	100	1
RWBF-05	100 × 50	100	1.2, 1.22
RWBF-06	100 × 26	100	1, 1.2, 1.22
RWBF-07	100 × 40	110	1
RWBF-08	100 × 50	110	1.2, 1.22
RWBF-09	100 × 26	110	1, 1.2, 1.22
RWBF-10	100 × 40	120	1
RWBF-11	100 × 50	120	1.2, 1.22
RWBF-12	100 × 26	120	1, 1.2, 1.22
RWBF-13	90 × 40	140	1
RWBF-14	90 × 50	140	1.2, 1.22
RWBF-15	90 × 26	140	1, 1.2, 1.22
RWBF-16	80 × 40	160	1
RWBF-17	80 × 50	160	1.2, 1.22
RWBF-18	80 × 26	160	1, 1.2, 1.22, 1.5 or 1.8
RWBF-19	80 × 40	180	1
RWBF-20	80 × 50	180	1.2, 1.22
RWBF-21	80 × 26	180	1, 1.2, 1.22, 1.5, 1.8
RWBF-22	75 × 40	200	1
RWBF-23	75 × 50	200	1.2, 1.22
RWBF-24	80 × 26	200	1, 1.2, 1.22, 1.5, 1.8
RWBF-25	75 × 40	220	1
RWBF-26	75 × 50	220	1.2, 1.22
RWBF-27	80 × 26	220	1, 1.2, 1.22, 1.5, 1.8
RWBF-28	70 × 35	260	1
RWBF-29	70 × 50	260	1.2, 1.22
RWBF-30	80 × 26	260	1, 1.2, 1.22, 1.5, 1.8
RWBF-31	66 × 40	280	1
RWBF-32	66 × 50	280	1.2, 1.22
RWBF-33	80 × 26	280	1, 1.2, 1.22, 1.5, 1.8



**Table 5: Specification of Oval Warning Barrier Fence**

Item	Mesh (mm)	Weight (g/m <sup>2</sup> )	Width (m)
OWBF-01	65 × 35	100	1
OWBF-02	70 × 40	100	1.2, 1.22
OWBF-03	65 × 35	110	1
OWBF-04	70 × 40	110	1.2, 1.22
OWBF-05	65 × 35	120	1
OWBF-06	70 × 40	120	1.2, 1.22
OWBF-07	65 × 35	140	1
OWBF-08	70 × 40	140	1.2, 1.22
OWBF-09	65 × 35	160	1
OWBF-10	70 × 40	160	1.2, 1.22, 1.5, 1.8
OWBF-11	65 × 35	200	1
OWBF-12	70 × 40	200	1.2, 1.22, 1.5, 1.8
OWBF-13	65 × 35	220	1
OWBF-14	70 × 40	220	1.2, 1.22, 1.5, 1.8
OWBF-15	65 × 35	220	1
OWBF-16	70 × 40	230	1.2, 1.22, 1.5, 1.8
OWBF-17	60 × 40	200	1

**Table 6: Specification of Diamond Warning Barrier Fence**

Item	Mesh (mm)	Weight (g/m <sup>2</sup> )	Width (m)
DWBF-01	60 × 60	270	1, 1.2, 1.22
DWBF-02	65 × 60	350	1, 1.2, 1.22
DWBF-03	65 × 50	400	1, 1.2, 1.22
DWBF-04	60 × 55	500	1, 1.2, 1.22
DWBF-05	38 × 38	300	1, 1.2, 1.22

## Application

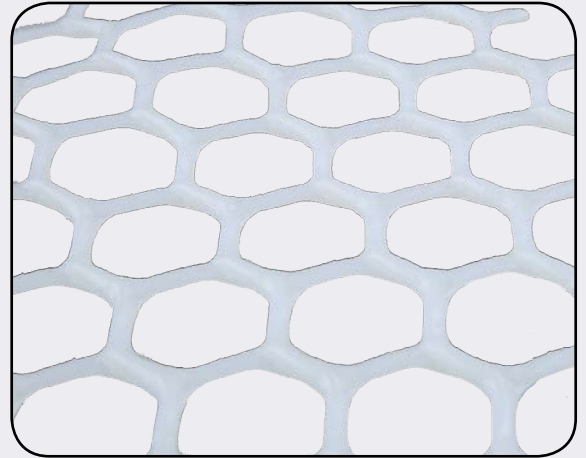
Plastic safety netting can be used in many aspects, such as:

- Construction site.
- Road work.
- Agriculture.
- Traffic control.
- Home.
- Engineering.
- Sporting event.
- Garden.
- Industrial facility.
- Railway.

## Plastic poultry netting

Walcoom plastic poultry netting can be divided into two types: poultry bed netting and poultry barrier fence. They are mainly used for breeding and protecting little or adult chicken and duck.

Plastic poultry netting is made of high density polyethylene or polypropylene, with the features of UV resistant, anti-rust and anti-corrosion, it can be used for a long time. In addition, plastic poultry netting without sharp edges, this will not hurt the poultry, and the small mesh structure can protect the little chicken from falling down or getting stuck, so it is ideal for breeding chicken or duck.



### Feature

- UV resistant, anti-rust and anti-corrosion.
- Without sharp edges, will not hurt the poultry.
- Small mesh structure can protect the little chicken from falling down or getting stuck.
- Material can be recycled, will not harm to the environment.
- Lightweight and easy to install.
- Easy to clean and minimum maintenance.

### Specification

- **Material:** High density polyethylene or polypropylene.
- **Color:** White, black, green and other colors are available.
- **Type**
  - **Poultry bed netting**
    - ◆ **Wire thickness:** 1–4.5 mm.
    - ◆ **Length:** 20–50 m.
    - ◆ **Mesh size**
      - ▲ **For little chicken bed (mm):** 7, 10, 12, 15, etc.
      - ▲ **For duck bed (mm):** 17, 18, 20, 25, 30, etc.
    - ◆ **Width:** 0.5–3 m.
    - ◆ **Mesh type:** hexagonal or diamond.
    - ▲ **For adult chicken bed (mm):** 15, 17, 18, 20, etc.
  - **Poultry barrier fence**
    - ◆ **Width(m):** 1.2, 1.5, 2, 3, 4.5.
    - ◆ **Mesh type:** hexagonal or square.
    - ◆ **Mesh size**
      - ▲ **Hexagonal (mm):** 16.5 × 16.5, 19.05 × 25.4.
      - ▲ **Rectangular (mm):** 45 × 50, 22 × 35, 13 × 15, 18 × 25.
    - ◆ **Length:** up to 100 m.

## Plastic Mesh



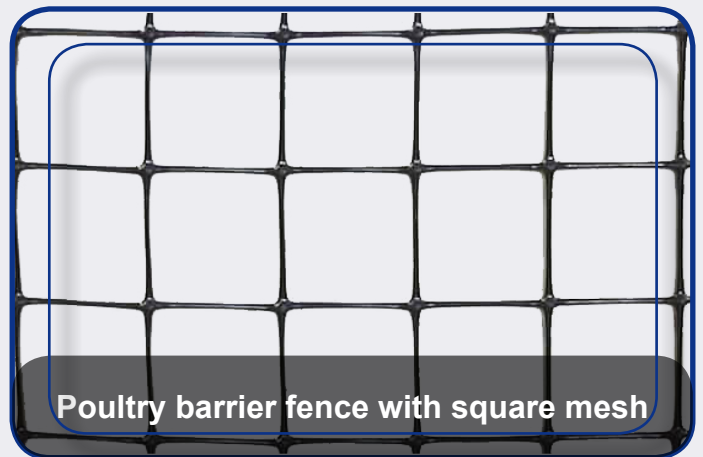
Poultry bed netting with hexagonal mesh



Poultry bed netting with diamond mesh



Poultry barrier fence with hexagonal mesh



Poultry barrier fence with square mesh

### Application

Plastic poultry netting is mainly used for breeding and protecting little or adult chicken and duck.

## Plastic shade cloth

Plastic shade cloth can be divided into two types: woven plastic shade cloth and knitted plastic shade cloth. Plastic shade cloth is made of polypropylene or high density polyethylene, it is UV resistant to reduce the solar radiation. In addition, brass grommet and galvanized eyelets button reinforced the edges, this makes plastic shade cloth more durable.

Due to the lightweight, low cost and uniform mesh, plastic shade cloth becomes an ideal shading net to protect residence, pet or poultry house, horticulture, garden and greenhouse from the sun.



## Feature

- UV resistant reduces the solar radiation.
- Mesh structure provides the desired airflow and uniform shading.
- Brass grommet and galvanized eyelets button reinforced edge.
- Reduce the incidence of pests and diseases.
- Material can be recycled, no harm to human, plants or environment.
- Lightweight and easy to install.
- Durable with longer lifespan, and during this time, shade rate remain constant.

## Specification

- **Name:** Plastic shade cloth, plastic shade net, plastic shade netting.
- **Material:** Polypropylene, high density polyethylene.
- **Type**
  - **Woven plastic shade cloth**
    - ◆ **Shade rate:** 30% – 80%.
    - ◆ **Length (m):** 3.7, 5.5, 6.1, 7.3, 11, 14.6, 18.5, 22, 30.
    - ◆ **Width(m):** 1.8, 3, 3.7, 4.5.
    - ◆ **Color:** mainly is black.
  - **Knitted plastic shade cloth**
    - ◆ **Shade rate:** 30% – 95%.
    - ◆ **Length:** any length.
    - ◆ **Structure:** monofilament + monofilament, monofilament + tape, tape + tape.
    - ◆ **Color:** black, green, blue, white, beige.
    - ◆ **Weight**
      - ▲ **Monofilament + monofilament weight:** 100–280 g/m<sup>2</sup>.
      - ▲ **Tape + tape weight:** 75–240 g/m<sup>2</sup>.
      - ▲ **Monofilament + tape weight:** 95–240 g/m<sup>2</sup>.

## Application

Plastic shade cloth is mainly used in such place:

- Greenhouse, not only with UV resistant, but also reduce the damage of wind, rain, snow and hail.
- Horticulture, protect the crops from the sun.
- Construction site, prevent the sand or mounds from being blowing away.
- Residence.
- Pet or poultry house.
- Garden



## Climbing net

Climbing net is made of high density polyethylene, nylon or PP. According to the different mesh shape, it can be divided into common climbing net and spider web netting.

Both of them with high bearing capacity and high strength, so it allows many people to stand or climb on it at the same time. And it also with good tenacity, wear resistance and weather resistance, this makes it can be used for a long time even in outdoors. In addition, the meshes aren't easy to deform, the size of net is stable, so it is widely used in the amusement parks, schools, training grounds and attractions.



### Feature

- Good tenacity, wear resistance.
- The meshes aren't easy to deform, the size of net is stable.
- Easy to use.
- High ductility and good weather resistance.
- High security.
- Firm and durable.

### Specification

- **Name:** Climbing net, climbing mesh, climbing netting.
- **Max. length:** 50 m.
- **Rope diameter**
  - **Climbing net:** 13–20 mm.
  - **Spider web netting:** 25–30 mm.
- **Mesh size (mm):** 100 × 100, 45 × 45, 30 × 30 or customized.
- **Breaking strength:** 3000 lbs (1361 kg).
- **Type:** Woven netting.
- **Color:** Black, white, blue, red or customized.

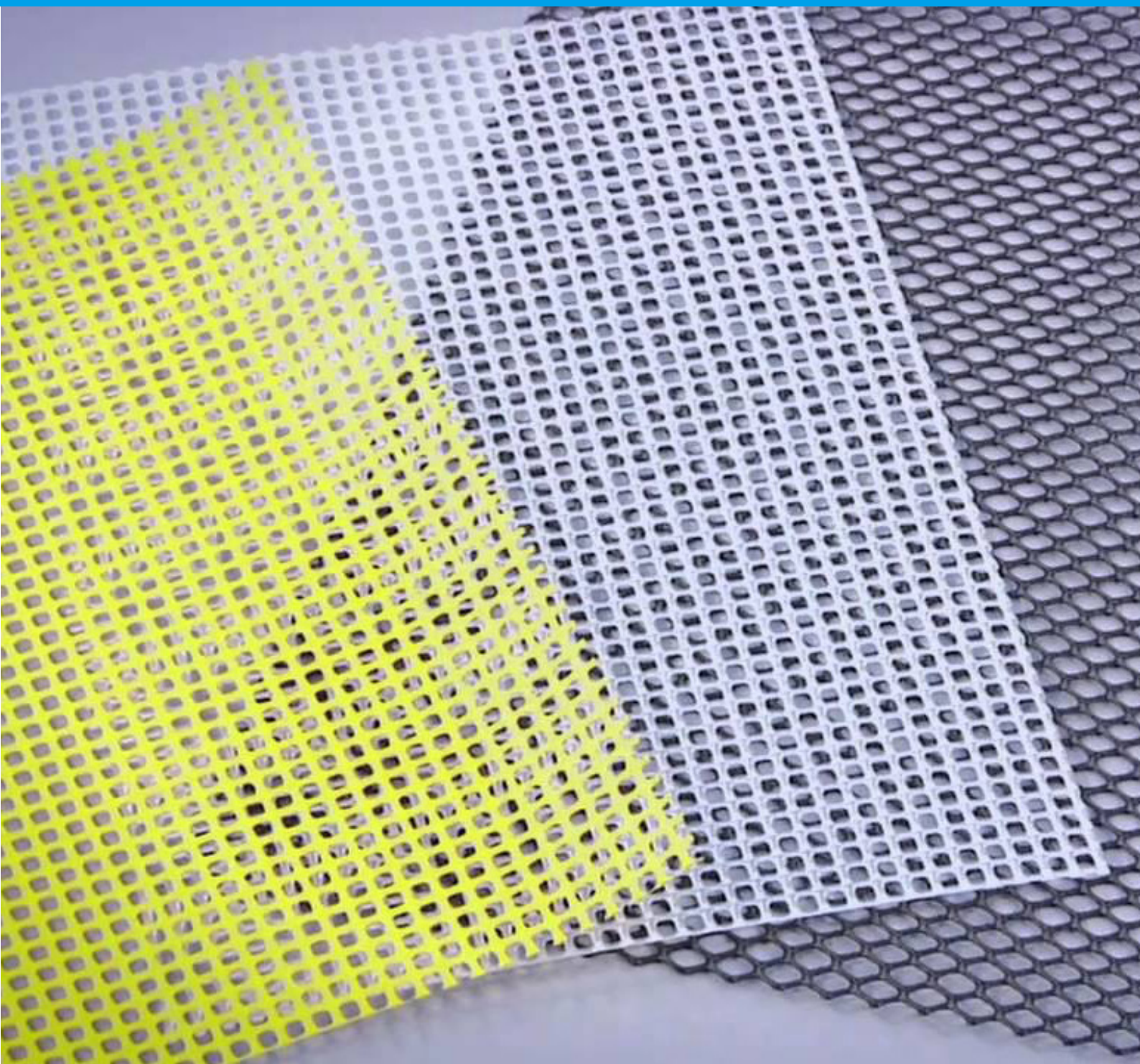
### Application

Climbing nets are widely used on the facilities of amusement parks, schools, training grounds and attractions to protect the safety of people.



# PLASTIC MESH

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