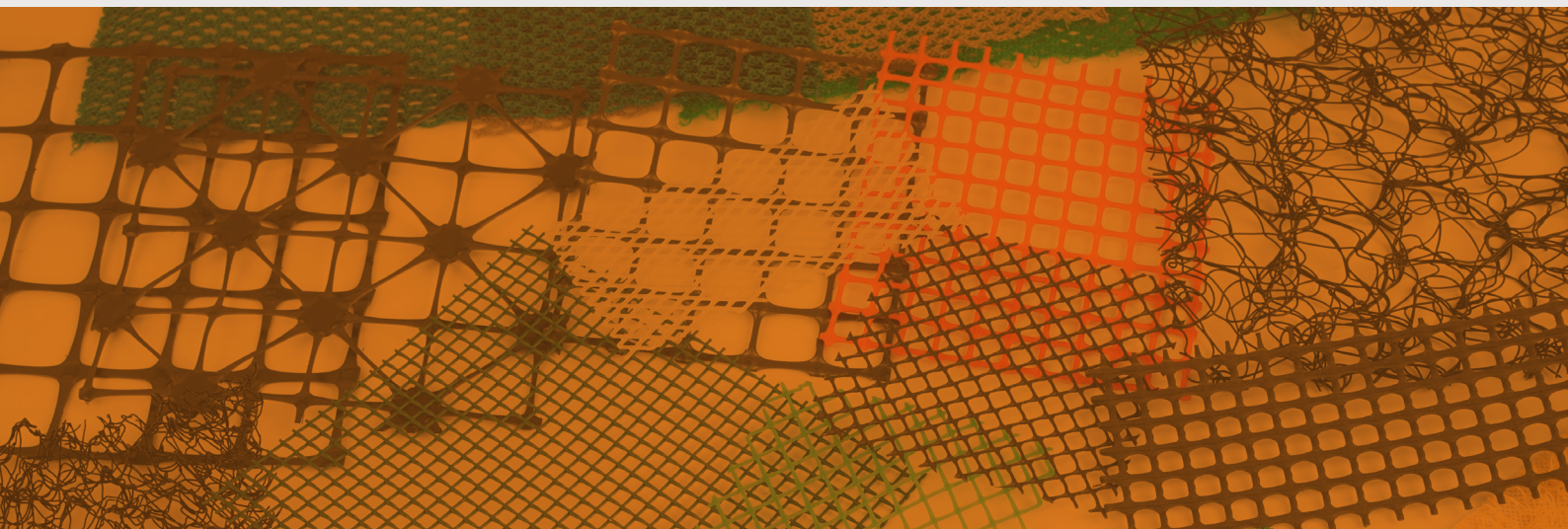


www.winnyear.com

PLASTIC NET CATALOGUE

Hebei Wennian
Trading Co., Ltd

Wennian offers a variety of plastic net catalogs for
your downloads and reference.



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Hebei Wennian Trading Co., Ltd

Company Profile

At Wennian, we will always move forward, keep making progress and attract more customers. We will win their trust and establish long-term cooperation with customers with our high quality products and expertise.

Founded in 1992, Hebei Wennian Trading Co., Ltd has specialized in the production and sales of plastic net products. We have stable raw material supplier, advanced production equipment, highly efficient workshops and professional quality control department, all these factors lay a solid foundation for our development. Our plastic nets comes in a variety of manufacturing processes, materials and types, and are manufactured in strict accordance with ISO 9001 standard, which makes we have core competitiveness on the market and win our customers' trust.

So far, we can provide our customers with a wide range of plastic nets, including extruded plastic nets such as poultry net, garden fence, safety nets, and woven plastic nets as well as woven plastic nets like windbreak net. In addition, we continue to develop new plastic net products.

At Wennian, there is neither unchanged products nor one-size-fits-all sales models. After long-lasting exploration and preparation, we have established a foreign trade sales team with profound expertise and enthusiastic attitudes. Our sales team can respond to customers quickly and offer accurate prices, considerate services and tailor-made solutions.



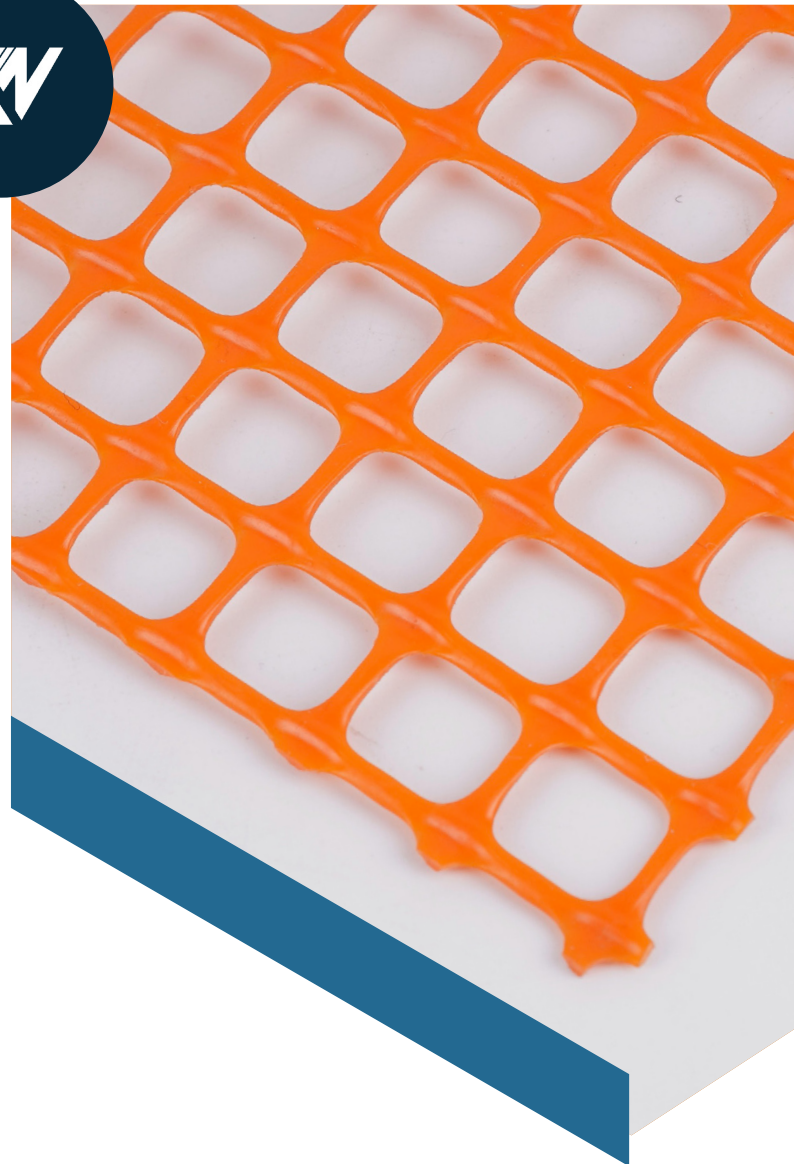
Product Description

Plastic Net



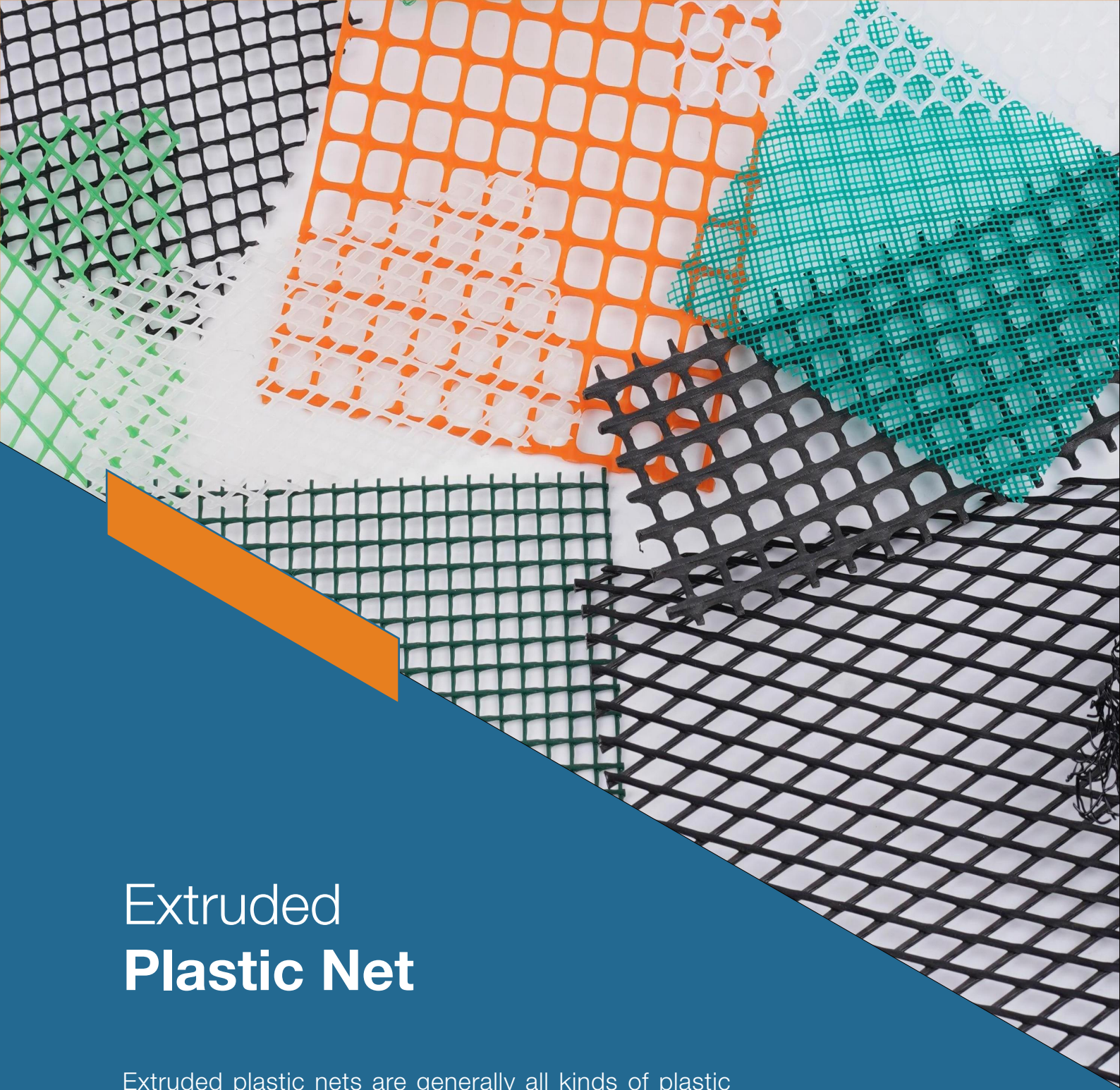
Plastic net is generally made of PE, PP, PA6 and other thermoplastic polymers as raw materials (PTFE is synthetic fluorinated polymers) added with antioxidants, UV stabilizers, plasticizers, flame retardant, heat stabilizer and other additives, and then is extruded out or is drawn and woven.

Plastic features rigid, resilient, no heat conduction and electricity conduction, lightweight, low cost, recyclable, etc. Additives are added to prevent plastic from thermal oxidation during extrusion, or the material becomes hard and fragile at low temperatures, or the material becomes soft and sticky at high temperatures. Besides, additives can help to extend the lifespan of the plastic net and finally achieve the desired physical or chemical properties. Additive content is generally only a few percent, but it has a significant influence on the performance and stability of polymers.



Our Products

- **Extruded Plastic Net**
- **Woven Plastic Net**



Extruded **Plastic Net**

Extruded plastic nets are generally all kinds of plastic nets and net products made of HDPE or PP by extrusion process. During the process, materials melt and form tubular or flat structure with mesh openings.

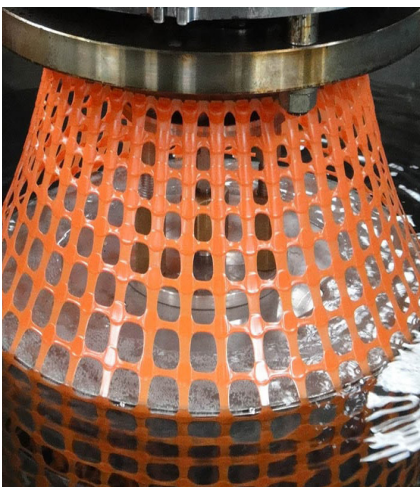
It has higher tensile strength and tear resistance, and can be cut into any size without damaging its structure.

Extruded Plastic Net

Material

Extruded plastic net is generally made of **PE, PP, PET and other thermoplastic polymers** as raw materials added with antioxidants, UV stabilizers, plasticizers, flame retardant, heat stabilizer and other additives, and then is extruded out.

Thermoplastic polymer is a kind of plastic that softens and flows when the temperature rises, and then hardens and maintains its shape at high temperature after cooling. It can be repeatedly processed and molded under certain conditions. Polymer materials are viscoelastic, that is, when the load is unchanged, it will continue to stretch over time and has creep property.



Polypropylene

PP

It is one of the lightest material among general plastics, and has good mechanical properties, heat resistance, electrical insulation and chemical stability. In addition to strong oxidant, it will not react with most chemicals.

Low density polyethylene

LDPF

It is also known as high pressure polyethylene and has excellent softness, ductility, transparency, cold resistance, electrical insulation, fabricability, stable chemical property and good resistant to acids, alkalis and organic solvents at 60 °C below.

High density polyethylene

HDPE

It is also called low pressure polyethylene and has excellent high temperature and low temperature resistance and an operating temperature ranging from -70 °C to 100 °C. It has higher mechanical properties than low density polyethylene, good wear resistance, great chemical stability and is almost insoluble in any solvent at room temperature.

Polyethylene terephthalate

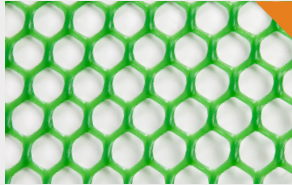
PET

It has the highest tensile strength among thermoplastic plastic materials. In addition, it has good chemical properties, and has excellent resistant to high concentration hydrofluoric acid, phosphoric acid and acetic acid at higher temperature, but it does not resistant to alkali.

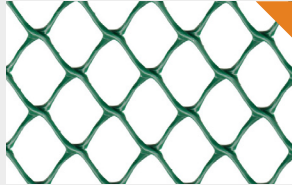
Extruded Plastic Net

Mesh Type

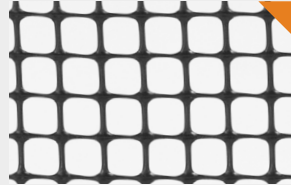
There are some common mesh types. Besides, we also provide **made-to-order services**, for more information, please contact us directly.



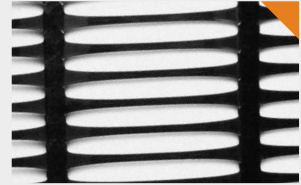
Hexagonal mesh



Diamond mesh



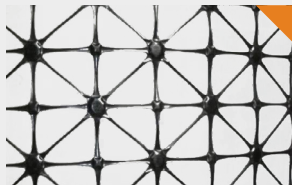
Square mesh



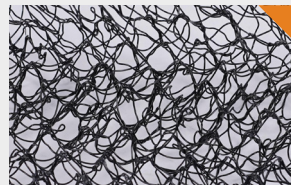
Slotted mesh



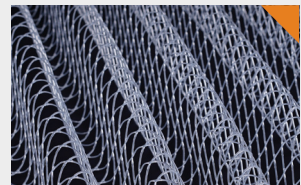
Triaxial geogrid



Quad-axial geogrid



M-shaped 3D geomat



Corrugated plastic net

Extruded Plastic Net

Production Process

Mixing.

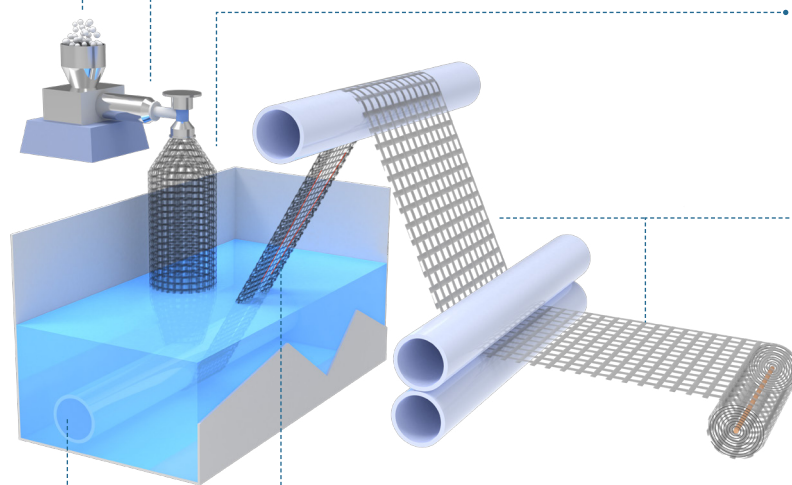
Mix raw materials, colorants and additives well

Stirring

Screw moves materials forward to the extrusion head. During the process, raw materials, colorants and additives melt together.

Molding

Materials enter the die from the extrusion head. Two dies rotate in opposite directions. Both dies have grooves through which melted plastic materials flows together to form a net.



Cooling

The net comes in contact with the water, allowing it to solidify for further processing.

Cutting

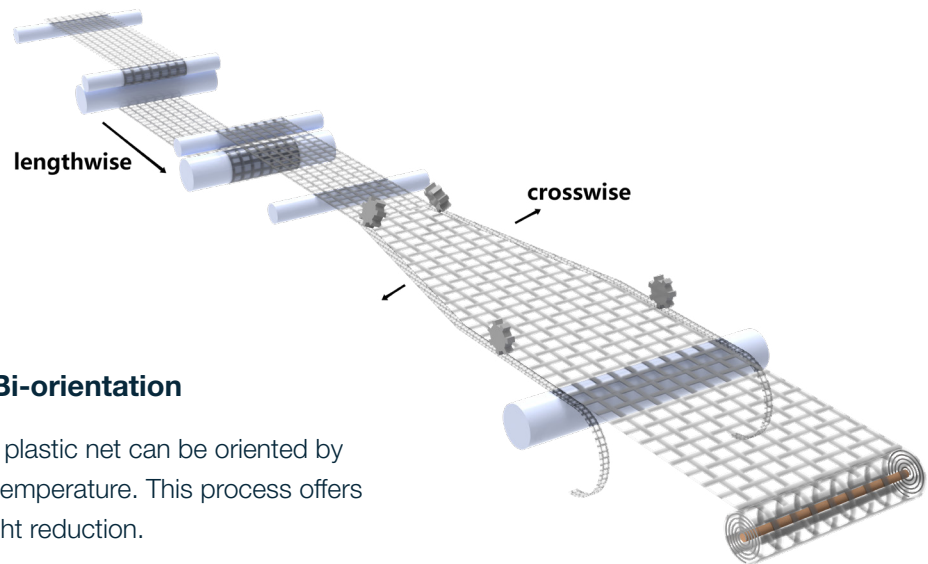
Flatten the plastic net and cut inside or outside the water.

Drying & making rolls

During the rolling transportation, moisture is dried out and the net is made in rolls for package or further treatment.

Extruded Plastic Net

Post-processes



Stretching: Orientation & Bi-orientation

Polymeric molecular chains in a plastic net can be oriented by stretching it under a controlled temperature. This process offers higher tensile strength and weight reduction.

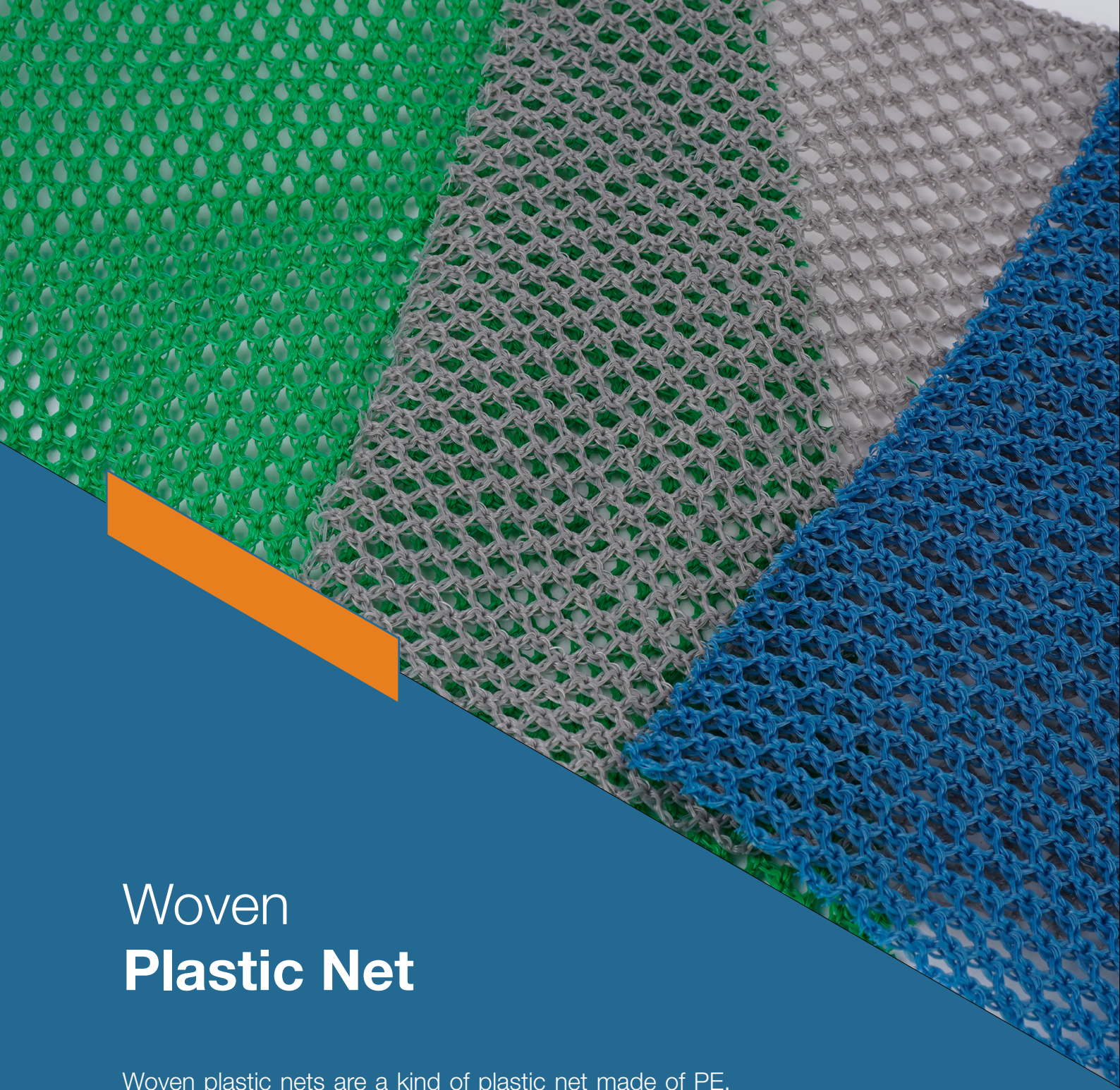
Orientation is the process by which the molecule chains formed by polymers facing the same direction are oriented in a line. To this end, the plastic net must be heated to an optimal temperature to stretch it lengthwise for mono-oriented products and crosswise as well for bi-oriented products. It significantly increases the resistance to traction and reduces the weight of the net by reducing the strand diameter, and is applied to manufacture products intended for specific applications.

Lamination

For geotechnical products, extruded plastic net is often used as a support of other material.

The plastic net combines with one or two layers of geosynthetic materials (geotextiles or geomembranes) to form a geocomposite material through heat bonding.





Woven **Plastic Net**

Woven plastic nets are a kind of plastic net made of PE, PA and other plastic pellets as raw materials added with UV stabilizer, antioxidants and then is drawn and woven.

It features high tensile strength, anti-aging, corrosion resistant, lightweight, large cover area, etc. It can be seen in agriculture and geo fields and work as sun shade net, anti bird net, wind net, construction safety net, etc.

Woven Plastic Net

Material

Woven plastic net is generally made of **PE, PP, PA6 and other thermoplastic polymers** as raw materials added with antioxidants, UV stabilizers, plasticizers, flame retardant, heat stabilizer and other additives, and then is drawn and woven.

Woven plastic net can be made into plastic nets with various density by adjusting the pitch and yarn size to meet your various needs.



Polypropylene

PP

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Low density polyethylene

LDPF

It is also known as high pressure polyethylene and has excellent softness, ductility, transparency, cold resistance, electrical insulation, fabricability, stable chemical property and good resistant to acids, alkalis and organic solvents at 60 °C below.

High density polyethylene

HDPE

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Polyamide 6

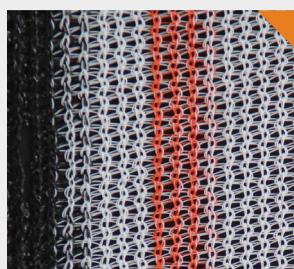
PA6

Polyamide 6, also known as polycaprolactam or nylon 6, is currently one of the highest tensile strength synthetic fibers produced on an industrial scale. As a result, it has amazing wear resistance among natural and synthetic fibers. It has poor acid resistance but high alkali resistance under high temperature, good corrosion resistance and not easy to flame.

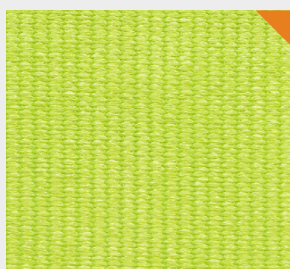
Woven Plastic Net

Weaving Process

We have plastic nets made by different weaving process for you to choose from. Besides, we also provide **made-to-order services**, for more information, please contact us directly.



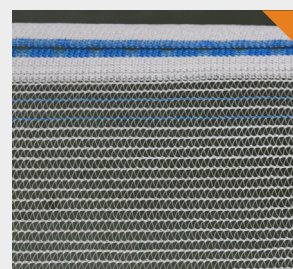
Round wire warp
knitted net



Flat wire warp knitted net



Round-flat wire warp
knitted net



Raschel hanging warp
knitted net



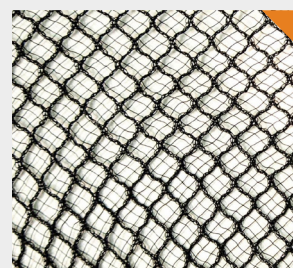
Raschel square warp
knitted net



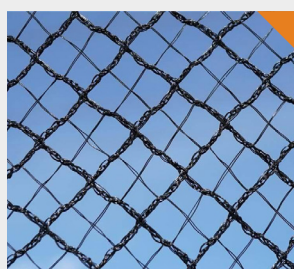
Diamond warp knitted net



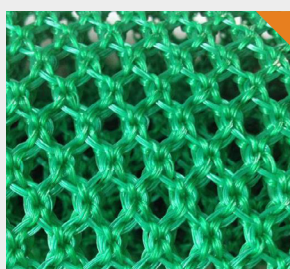
Hexagonal warp knitted net



Double wire four cross warp
knitted net



X-weave warp knitted net



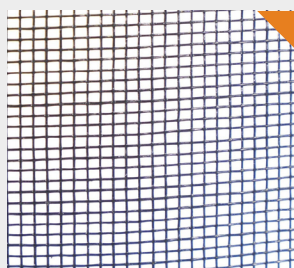
Monofilament multistrand
warp knitted net



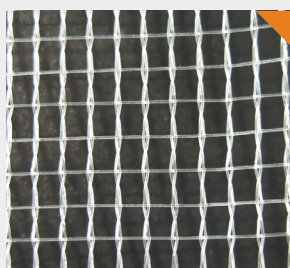
Knotless netting



Twisted knotless netting



Flat woven plastic net



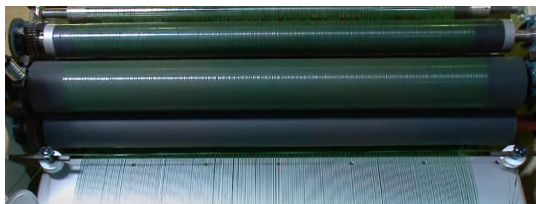
Twisted plastic net



Zero twist knotted netting

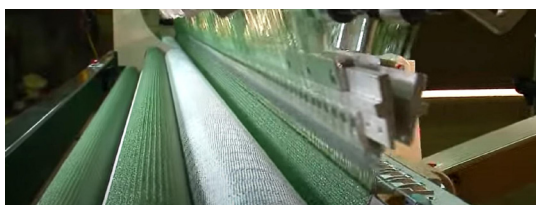
Woven Plastic Net

Production Process



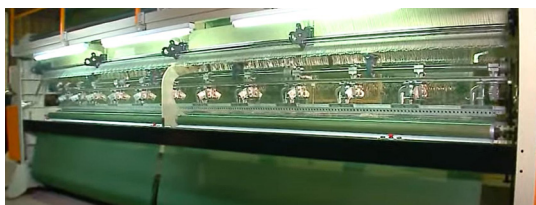
Drawing

Plastic film enters into the flat/round wire drawing machine and is cut and drawn into wires and then is wound up as rolls.



Braiding

Woven plastic nets are woven by plastic braiding machine through special weaving process.



Rolling

The finished plastic nets are wound up as rolls to facilitate handling or further processing.



Sewing

Sew the plastic net edges for reinforcement.



Grommet

Grommets are installed on the plastic net to prevent the rope rubbing against the plastic net.

Breeding Nets

Plastic Poultry Net



Plastic poultry net, also known as plastic chicken wire mesh, is divided into plastic poultry bed netting and plastic poultry barrier fence. It is mainly used for breeding and protecting small poultry such as little chicken, little ducks and adult chicken.

Plastic poultry net is made of HDPE or PP and is directly extruded through an extruder. It has no excessive knots and sharp edges, so that it will not hurt the poultry. Besides, its small mesh structure also protects the little chicken from falling down or getting stuck, so it is an ideal choice for breeding chicken or ducks.

FEATURES

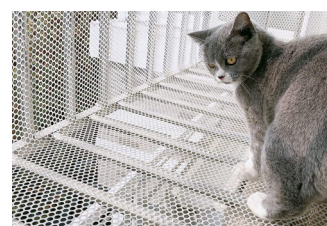
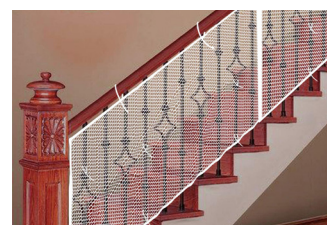
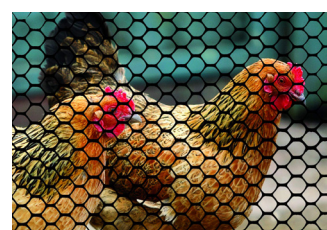
- ✓ Poultry net made of HDPE or PP is lightweight and easy to install.
- ✓ Compared with galvanized wire, it will never rust, easy to clean and maintain.
- ✓ It has excellent UV resistance and can be used in outdoors for a long time after adding UV stabilizer.
- ✓ The material is recyclable and does no harm to the environment.

CATEGORY

✓ Plastic Poultry Bed Netting

It is suitable for small poultry breeding, easy to clean and can avoid unnecessary losses caused by poultry sickness because of sanitary problems.

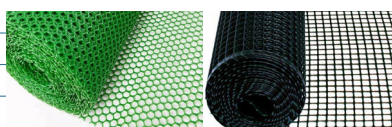
Material	PP/HDPE	
Color	White, black, green or others (customized)	
Mesh type	Hexagonal or diamond	
Wire thickness	1 mm – 4.5 mm	
Mesh size	Little chicken bed	7 mm × 7 mm, 10 mm × 10 mm, 12 mm × 12 mm, 15 mm × 15 mm
	Adult chicken bed	15 mm × 15 mm, 17 mm × 17 mm, 18 mm × 18 mm, 20 mm × 20 mm
	For duck bed	17 mm × 17 mm, 18 mm × 18 mm, 20 mm × 20 mm, 25 mm × 25 mm, 30mm × 30 mm
Width	0.5 m – 3 m	
Length	20 m – 50 m	



✓ Plastic Poultry Barrier Fence

It can effectively prevent poultry jumping out of the field and getting lost or predators hunting and causing economic losses.

Material	PP/HDPE	
Color	White, black, green or others (customized)	
Mesh type	Hexagonal, rectangular	
Mesh thickness	1 mm – 4.5 mm	
Mesh size	Hexagonal	16.5 mm × 16.5 mm, 19.05 mm × 25.4 mm
	Rectangular	45 mm × 50 mm, 22 mm × 35 mm, 13 mm × 15 mm, 18 mm × 25 mm
Width	1.2 m, 1.5 m, 2 m, 3 m, 4.5 m	
Length	Max. 100 m	



Breeding Nets

Plastic Sericulture Net



Plastic sericulture net, also known as plastic silkworm rearing net, is made of PP or PE by machine extrusion compared with traditional bamboo support. It has uniform corrugated shapes and does great help in the formation and harvesting of silkworm cocoons.

It has good toughness, easy to clean and helps to maintain a hygienic environment. Besides, it also features long-lasting and reusable, easy to store and transport.

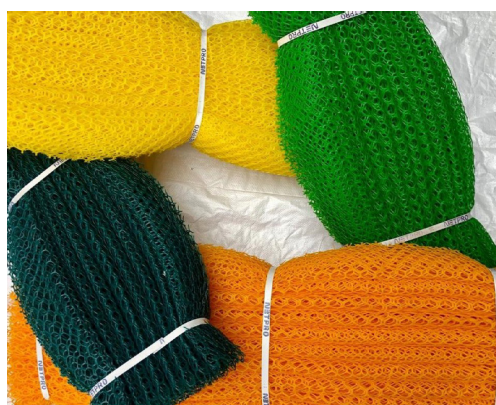
FEATURES

- ✓ Extruded and shaped from polyethylene, simple structure, cost-effective.
- ✓ It is easier to clean and sterilize than cardboard squares and straw.
- ✓ It will not cause double cocoon due to uneven distribution, thus reducing the yield of high quality cocoons.
- ✓ It is lightweight and easy to transport and store.



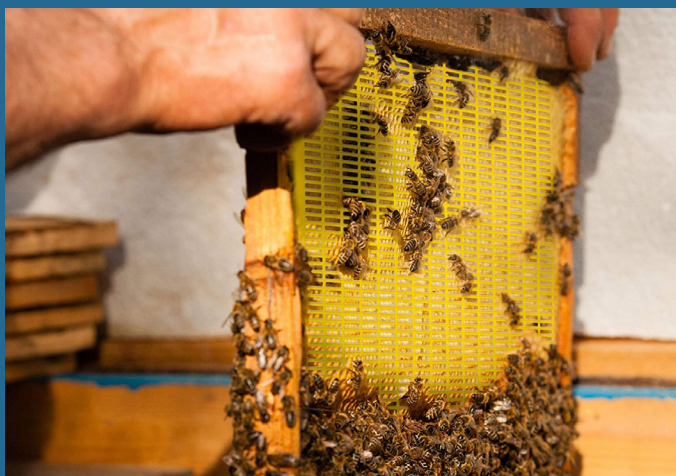
SPECIFICATION

Material	PP/PE
Color	white, green, orange, yellow, etc. (customizable)
Mesh type	Hexagonal, diamond
Mesh size	60 mm × 60 mm, 70 mm × 70 mm, 80 mm × 80 mm, 90 mm × 90 mm, 100 mm × 100 mm, 120 mm × 120 mm, 160 mm × 160 mm
Fabric weight	300 g/m ²
Width	1.0 m, 1.26 m, 1.56 m, 1.86 m, 2.0 m
Length	1.83 m (customizable)



Breeding Nets

Plastic Queen Excluder



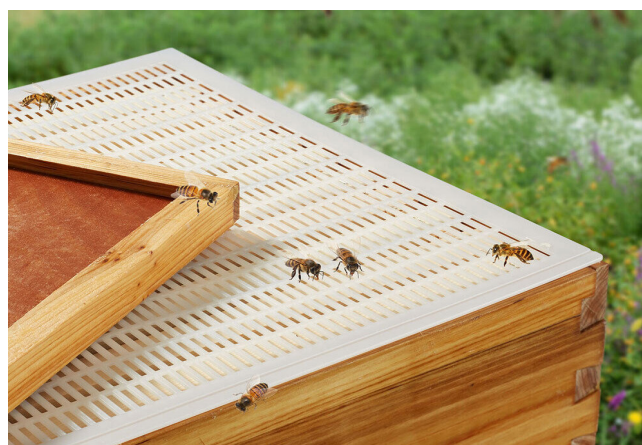
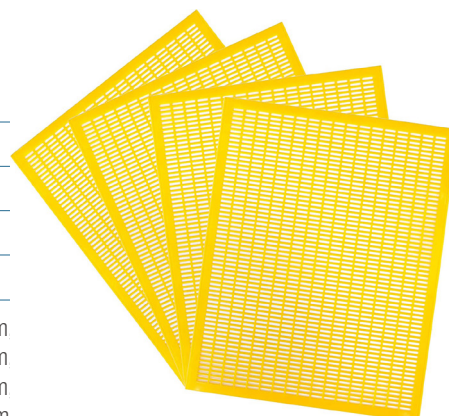
Plastic queen excluder is made of injection-molded PP or PE materials. It takes the advantage of the difference in chest thickness between the queen bee and the worker bee. The width is designed to be between the queen bee and the worker bee, so that the worker bees can pass freely, while the queen bee's activities are restricted to lay eggs in a certain area of the hive, thus dividing the hive into an egg laying area and a honey storage area, and making honey harvesting easier.

FEATURES

- ✓ PP or PE plastic queen excluder is lightweight and easy to install.
- ✓ Compared with other material queen excluder, plastic queen excluder is corrosion resistant and easy to clean and maintain.
- ✓ It has no sharp edges and will not harm the bees.

SPECIFICATION

Material	PP/PE
Color	White, yellow
Mesh type	Rectangular
Grid cell length	4.0 mm, 4.2 mm, 4.5 mm
Size (L × W)	510 mm × 425 mm, 510 mm × 420 mm, 510 mm × 410 mm, 510 mm × 360 mm 506 mm × 406 mm, 506 mm × 360 mm, 506 mm × 353 mm, 505 mm × 360 mm 500 mm × 500 mm, 500 mm × 450 mm, 500 mm × 430 mm, 500 mm × 425 mm 485 mm × 400 mm, 470 mm × 410 mm, 460 mm × 460 mm, 435 mm × 435 mm



Aquaculture Nets

Plastic Oyster Mesh



Plastic oyster mesh is made from HDPE mesh bag, along with rubber or foam floating accessories. It features non-toxic, UV resistant, excellent corrosion resistant, long lifespan and easy to clean.

It creates a safe growing environment for oysters and spats and can protect the oysters and spats from predators, fishes and birds. It is widely used in aquaculture farms, shoal waters and rivers for oyster farming.

FEATURES

- ✓ HDPE raw materials, simple structure, lightweight, easy to transport and install.
- ✓ UV stabilizer additive is added to make it have excellent UV resistant and can be used in outdoors for a long time.
- ✓ One-time injection molding, no sharp edges.
- ✓ Floating on the surface, oysters can get more nutrient and oxygen in the water, which shortens growth cycle of oysters and reduces the feeding costs of oysters.

SPECIFICATION

Material	HDPE
Color	black, dark green
Mesh type	Square, diamond
Mesh size	2 mm × 2 mm, 4 mm × 4 mm, 6 mm × 6 mm, 8 mm × 8 mm, 9 mm × 9 mm, 10 mm × 10 mm, 12 mm × 12 mm, 14 mm × 14 mm, 16 mm × 16 mm, 20 mm × 20 mm, 23 mm × 23 mm, 24 mm × 24 mm
Mesh bag size	0.8 m × 0.5 m, 0.9 m × 0.5 m, 1.0 m × 0.5 m, 1.0 m × 0.4 m (customizable)
Foam float (L × W × H)	600/700/800/ mm × 100 mm × 50 mm
Inflation float (L × D)	600/700/800 mm × 80 mm



Foam floating oyster net



Plastic floating oyster net



Agricultural Nets

Plant Support Net

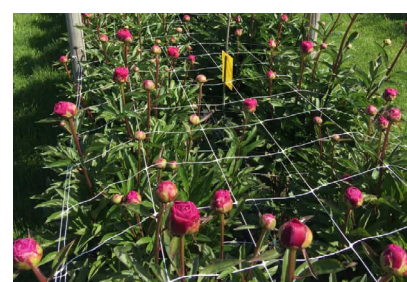
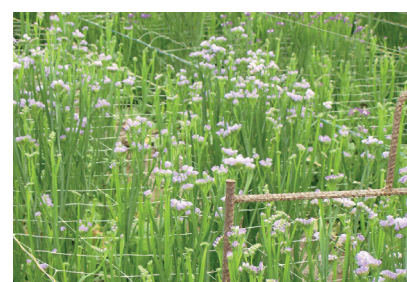
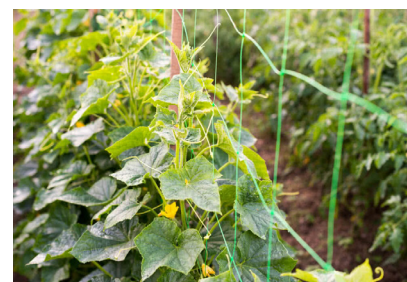


Plastic plant support net, also known as climbing plant support net, is a PP plastic net made by extruding and stretching. It offers vertical and horizontal supports for climbing plants or vegetables, and provides horizontal support for long stem flowers.

It improves the utilization of the space and makes all parts of the plant being exposed to sunlight, so that the plant is less susceptible to disease. Besides, plant support net also makes it easier for people to take care of the plant and harvest the fruit, making it an ideal choice for planting peas, tomatoes, raspberries, clematis, daisies, carnations, etc.

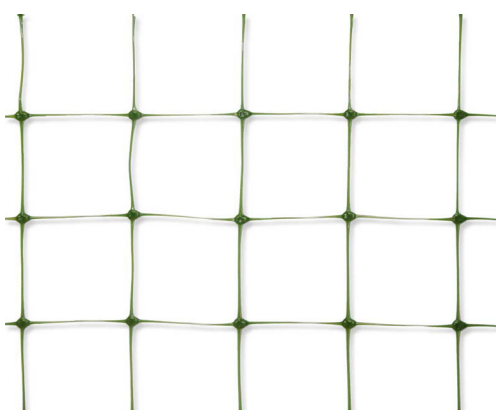
FEATURES

- ✓ PP plant support net has good resilience and corrosion resistance.
- ✓ UV stabilizer additive is added to make the product have excellent corrosion resistance and can be used in outdoors for a long time.
- ✓ It has a simple structure and is easy to clean and install, and has a long lifespan.
- ✓ It helps to make full use of the three-dimensional space, and make sure the plants get sufficient sunlight and easy to harvest.



SPECIFICATION

Material	PP
Color	White, green, black
Mesh type	Square
Mesh size	100 mm × 100 mm, 125 mm × 125 mm, 130 mm × 130 mm, 150 mm × 150 mm, 150 mm × 170 mm, 165 mm × 165 mm, 200 mm × 200 mm, 170 mm × 170 mm
Fabric weight	8—10 g/m ²
Width	1 m, 1.2m, 1.5 m, 1.7 m, 2 m, 2.1 m, 3 m
Length	10 m, 20 m, 25 m, 30 m, 50 m, 100 m, 500 m, 1000 m



Agricultural Nets

Anti Bird Net

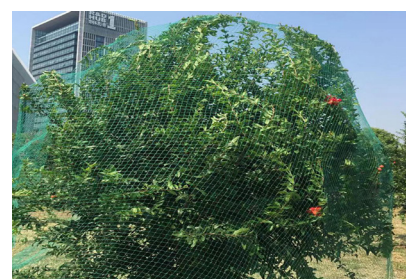


Plastic anti bird net is mainly made of HDPE or PP after extrusion. Compared with metal wire mesh, it is lighter, more economical and can be cut to any size.

It is mainly used to protect fruits, flowers, crops and other plants from birds or other small animals. It can provide maximum protection for your crops without harming birds, small animals or affecting plants growth. It is one of the most cost effective solutions to protect your crops from damage.

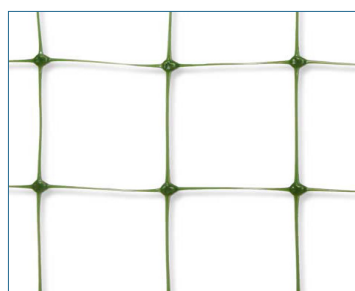
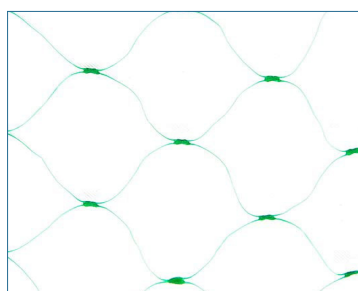
FEATURES

- ✓ Made of PP or HDPE, economical and practical, high tensile strength and easy to install.
- ✓ High tensile strength, good durability and will never corrode or rust.
- ✓ UV stabilizer additive is added to make the product can be used in outdoors for a long time.
- ✓ It features simple structure, easy to clean and install, and has a long service life.
- ✓ It protects plants well without affecting sunlight exposure or rainwater nourishment.



SPECIFICATION

Material	PP/HDPE
Color	White, green, black
Mesh type	Square, diamond
Mesh size	6.4 mm × 6.4 mm, 10 mm × 10 mm, 15 mm × 15 mm, 15.2 mm × 15.2 mm, 16 mm × 16 mm, 17 mm × 17 mm, 17.8 mm × 17.8 mm, 18 mm × 18 mm, 19 mm × 19 mm, 20 mm × 20 mm
Fabric weight	6 g/m ² — 150 g/m ²
Width	Max. 5 m
Length	10 m, 20 m, 50 m, 100 m, 150 m (customizable)



Agricultural Nets

Plastic Garden Fence

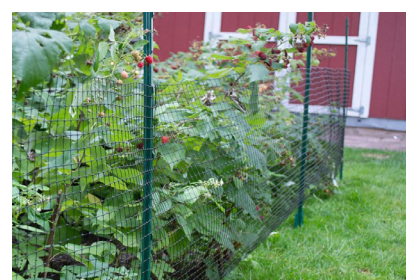


Plastic garden fence is a multi-functional plastic fence made of HDPE or PP after extrusion.

It prevents small animals from entering your garden and damaging your plants. You can cut the plastic garden fence at will without worrying about sharp edges causing damage to your family or pets. It is easy to install and remove, all works can be done by one person only. Besides, it has excellent corrosion resistance and work well in acid and alkaline conditions. Moreover, it has a long lifespan and can be used many times.

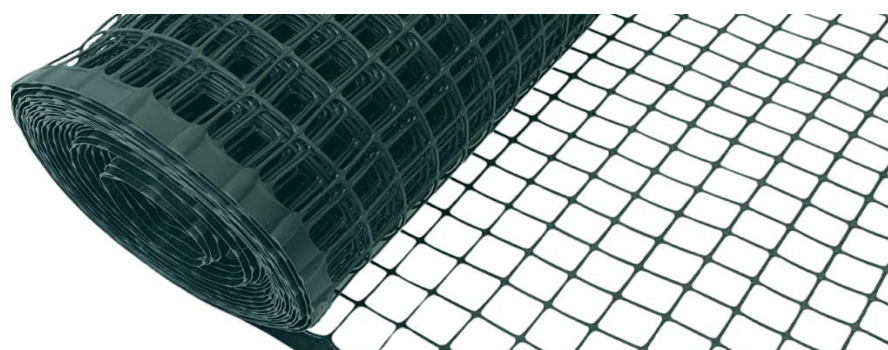
FEATURES

- ✓ Made of PP or HDPE, easy to install and remove, and can be repeatedly used.
- ✓ High tensile strength, impact resistant, corrosion resistant and work well in acid and alkaline conditions.
- ✓ UV stabilizer additive is added to make it can be used in outdoors for a long time.
- ✓ It is lighter and more economical than metal wire mesh.



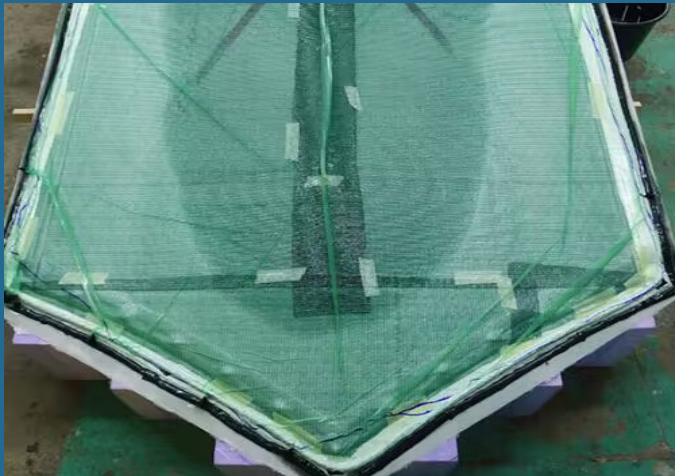
SPECIFICATION

Material	PP/HDPE
Color	white, green, black, etc. (customizable)
Mesh type	Rectangular, diamond or hexagonal
Mesh size	5 mm × 5 mm, 6 mm × 6 mm, 10 mm × 10 mm, 15 mm × 15 mm, 20 mm × 20 mm, 25 mm × 25 mm, 50 mm × 50 mm, 60 mm × 60 mm
Fabric weight	200 g/m ² , 280 g/m ² , 300 g/m ² , 470 g/m ² , 500 g/m ² , etc.
Width	0.5 m, 1 m (customizable)
Length	5 m, 10 m, 20 m, 25 m, 30 m, 50 m, 100 m, 150 m, etc.



Industrial Nets

Plastic Infusion Mesh



Resin infusion mesh, also known as resin flow mesh, is generally made of HDPE and is a high permeability flow media used for composite vacuum injection process. It works well with polyester, vinyl ester and epoxy resins. It drives the resin to flow to the designated position of the mould and accelerates the flow rate. Multilayer infusion mesh can be overlapped when large volumes of resin flow are required.

Like most vacuum accessories, resin infusion mesh cannot be recycled, so it is disposable consumable. It applies to products of any size, for example, car hoods, car panels, ship building and wind blades, etc.

FEATURES

- ✓ It is flat and not easy to bend.
- ✓ It enables the resin to flow to the designated position and accelerates the flow rate.
- ✓ It has higher flow rate and less resin residue compared with knitted mesh.

SPECIFICATION

Material	HDPE
Color	Green
Mesh type	Diamond
Thickness	0.2 mm – 1.0 mm
Fabric weight	100 g/m ² – 240 g/m ²
Width	Max. 4 m
Length	50 m, 100 m
Max. working temperature	120 °C



Industrial Nets

RO Feed Spacer



RO feed spacer is a extruded plastic mesh spacer that acts as a feed spacer between filter media layers in water treatment. It is a kind of FDA-compliant bi-planar PP extruded feed spacer.

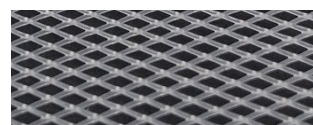
It provides channels for the flow of the feed water, and is an essential part of spiral wound membrane (SWM) in reverse osmosis and nanofiltration. Though the spacer material itself can seem fairly low-tech, its role in optimal RP production is critical. It can directly impact the feed pressure, overall energy consumption and membrane fouling degree of the RO system.

FEATURES

- ✓ It is a bi-planar structure and forms flow channels among filter media.
- ✓ It can effectively prevent the sediment of minerals, organic matters and inorganic matters on the membrane surface.

SPECIFICATION

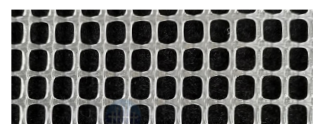
✓ Diamond Hole



Material	PP
Color	semitransparent
Mesh type	Diamond
Fabric weight	80 g/m ² – 230 g/m ²
Width	30" — 55"
Length	500", 1000"
Min./max. Operating temperature	-40 °C / +120 °C

Model	DPL-1110	DPL-1120	DPL-1130	DPL-1140
Thickness (mil)	20	22	30	33
Tolerance (mil)	±2	±2	±2	±2
Hole Size (inch)	0.011 × 0.011	0.015 × 0.015	0.018 × 0.018	0.016 × 0.016
Strand Per Inch	43	37	30	28

✓ Square Hole



Material	PP
Color	semitransparent
Mesh type	Diamond
Fabric weight	80 g/m ² – 230 g/m ²
Width	30" — 55"
Length	500", 1000"
Min./max. Operating temperature	-40 °C / +120 °C

Model	DPF-1210	DPF-1211	DPF-1220	DPF-1221	DPF-1230	DPF-1240
Thickness (mil)	14	14	19	19	21	36
Tolerance (mil)	±2	±2	±2	±2	±2	±2
Hole Size (inch)	0.210 × 0.027	0.025 × 0.030	0.040 × 0.053	0.054 × 0.080	0.040 × 0.053	0.030 × 0.037
Strand Per Inch	25	27.6 × 25	17 × 14.6	15 × 11	16	16 × 13

Industrial Nets

Plastic Rigid Mesh Tube



Plastic rigid mesh tube is short for plastic rigid mesh tubes for the structural support of anode cell. It is made of HDPE or PP by extrusion, so its structure is more sturdy and stable than sutural mesh tube. It features stable structure, high strength and rigidity, acid & alkali resistance and low and high temperature resistance, so it can well protect and support the anode tubes.

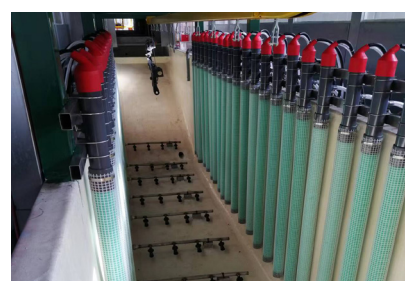
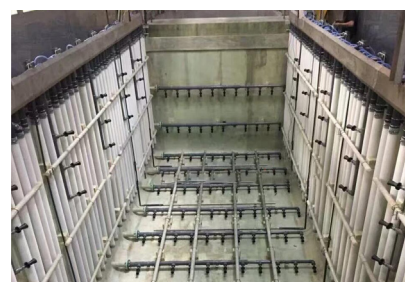
FEATURES

- ✓ Stable structure, high strength and rigidity.
- ✓ Excellent chemical resistance, acid & alkali resistance and low and high temperature resistance.
- ✓ Anti-rust and anti-corrosion.
- ✓ Durable and long-lasting.

SPECIFICATION

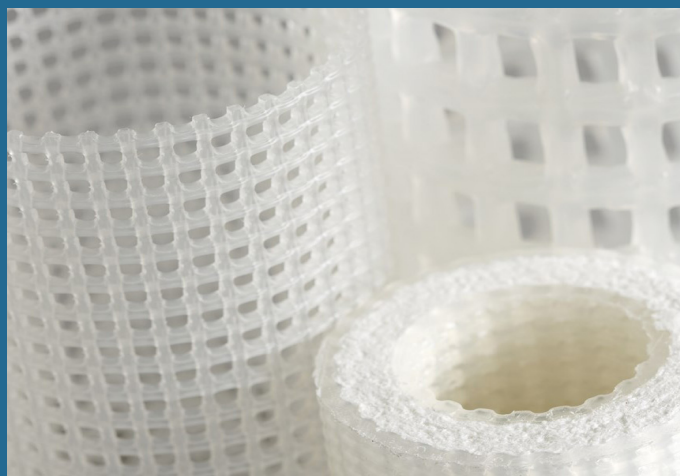
Material	PP/HDPE
Color	White
Mesh type	Square
Length	Max. 6 m
Working temperature	-40 °C / +130 °C

Model	O.D. (mm)	I.D. (mm)	Mesh Length (mm)	Mesh Width (mm)	Mesh Thickness (mm)
BHZ-1011	35-40	31-36	2.8-4.0	1.7-3.0	2.0-3.0
BHZ-1012	73-74	88-89	5.0-6.0	3.5-4.0	2.5
BHZ-1013	97-98	92-93	5.0-6.0	3.5-4.0	2.5
BHZ-1014	102-103	97-98	2.3-2.6	2.3-2.6	2.3-2.6
BHZ-1015	118-120	113-115	6.0-6.7	5.0-5.5	2.5-3.0



Industrial Nets

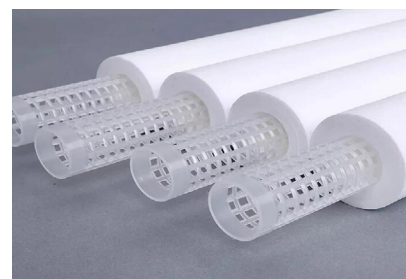
Plastic Filter Net



Plastic filter net is made of HDPE or PP through extrusion. It features stable structure, acid and alkali resistance, low and high temperature resistance, anti-rust, anti-corrosion and exceptional durability. As a plastic rigid mesh tube, it acts as a center core in filter cartridges and provides exceptional structural support. It has high strength and rigidity, so it can also be used as outer containment sleeves to protect filter media from damage during handling and cleaning.

FEATURES

- ✓ High strength and rigidity.
- ✓ Chemical resistance.
- ✓ Acid and alkali resistance.
- ✓ Low and high temperature resistance.
- ✓ Stable structure, long lifespan.
- ✓ Can be burnt down.
- ✓ Support and protect the filter elements.

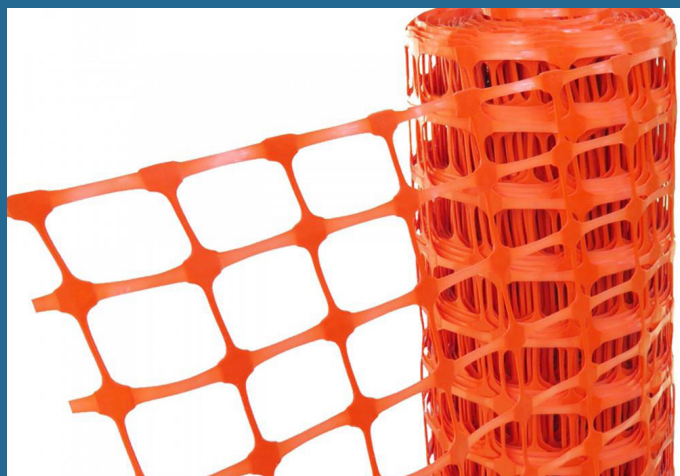


SPECIFICATION

Material	PP/HDPE
Color	White, black
Mesh type	Diamond, square
Thickness	2 mm – 6 mm
Open area	30% – 75 %
Diameter	27 mm(± 0.5) – 140 mm(± 1.0)
Length	200 mm - 3000 mm
Min. operating temperature	-40 °C
Max. Operating temperature	+130 °C

Traffic Nets

Safety Barrier Mesh



Safety barrier mesh is a high strength extruded plastic fencing made of HDPE by extrusion. Brightly colored safety barrier mesh can be installed in various ground conditions, so that people can see the warning area from far away and know that this area is inaccessible. It is often used in construction sites to prevent people getting hurt because of accident access to this area. In addition, it can also be used as snow fence or windbreak fence.

FEATURES

- ✓ High tensile strength, high rigidity, easy to handle and store, simple and fast installation.
- ✓ UV stabilizer additive is added in the manufacturing process. It has bright color and stable performance and can be used in outdoors for a long time without fading its color.
- ✓ Often used in construction sites and road works.

SPECIFICATION

Material	HDPE
Color	Orange, green, black, blue, yellow, bi-color can be customized.
Mesh type	Rectangular, diamond, oval
Mesh size	50 mm × 30 mm, 50 mm × 50 mm, 60 mm × 35 mm, 65 mm × 40 mm, 70 mm × 26 mm, 70 mm × 35 mm, 70 mm × 40 mm, 70 mm × 50 mm, 80 mm × 26 mm, 80 mm × 40 mm, 80 mm × 50 mm, 90 mm × 26 mm, 100 mm × 25 mm, 100 mm × 26 mm, 100 mm × 40 mm, 100 mm × 50 mm, 110 mm × 26 mm, 110 mm × 40 mm, 110 mm × 50 mm
Fabric weight	80 g/m ² , 90 g/m ² , 100 g/m ² , 110 g/m ² , 120 g/m ² , 140 g/m ² , 160 g/m ² , 180 g/m ²
Width	1 m, 1.22 m, 1.5 m, 1.8 m, 2 m, 4 m
Length	50 m, 100 m (customizable)

GALLERY

In addition to the warning and isolation functions, safety barrier mesh can also be used as snow fence, windbreak fence, event or campaign barriers or temporary fencing.



Traffic Nets

Underground Warning Mesh



Underground warning mesh is also known as underground detectable mesh or detectable mesh tape.

It consists of a detectable mesh tape made of high strength colored rot resistant homopolymer polypropylene plastic mesh incorporating a traceable stainless steel wire in the middle and a colored polyethylene tape printed with warning messages. It can be used to mark underground buried facilities, and warning messages on the tape highlights the presence of underground pipes and cables to prevent workers from damaging utility pipes and cables during construction excavations. Warning nets of different colors can be used to warn of the presence of buried service lines, such as water pipes in blue, gas pipes and cables in yellow, and sewers and fuel pipes in red.

FEATURES

- ✓ Corrosion resistant, high tensile strength, lightweight, easy to install.
- ✓ Bright color, different colors for warning different facilities.

SPECIFICATION

Material	PP mesh, PE tape, stainless steel wire
Color	red, yellow, blue, green (customizable)
Mesh type	Rectangular
Mesh size	90 mm × 30 mm, 100 mm × 40 mm, 120 mm × 20 mm
Fabric weight	60 g/m ² – 200 g/m ²
Width	100 mm, 200 mm, 300 mm, 500 mm
Length	50 m, 100 m (customizable)



Construction Nets

Lawn Reinforcement Net



Lawn reinforcement net, also known as lawn protection net, is a extruded plastic net made of HDPE. Grass works with plastic net to form a solid and stable ground that can limit the damage of the lawn and alleviate the compaction of the soil.

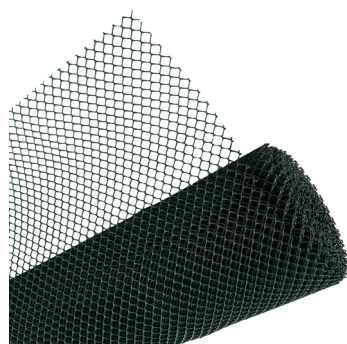
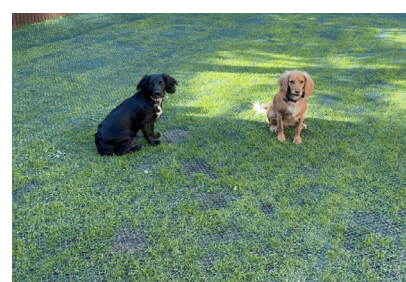
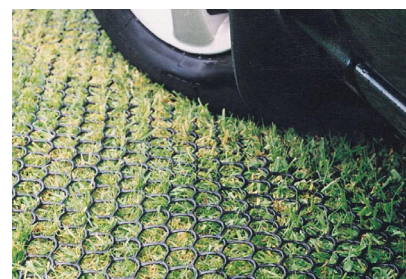
It not only provides sufficient growing space for grass roots, but also distributes the load evenly to ensure the lawn is not damaged by vehicles and pedestrians. It is mainly used in slopes, construction sites, walkways or access roads for wheelchair users, permanent or temporary parking lots for grass and turf protection and reinforcement.

FEATURES

- ✓ Lightweight and easy to install.
- ✓ High tensile strength, UV resistant, acid and alkali resistant and chemical resistant.
- ✓ The load on the grass is evenly distributed to protect the lawns from abrasion.
- ✓ Eco-friendly, recyclable materials will not do harm to the environment.

SPECIFICATION

Material	HDPE
Color	green, black
Mesh type	hexagonal, diamond, square
Mesh size	22 mm × 27 mm, 25 mm × 29 mm, 27 mm × 30 mm
Fabric weight	550 g/m ² , 660 g/m ²
Roll Size	1.3 m × 25 m, 2 m × 30 m



Construction Nets

Plastic Mesh Tree Guard



Plastic mesh tree guards is generally made of PP or HDPE. This open type plastic mesh tree guard is unlike plastic tubes and plastic films as it prevents moisture and mildew from accumulating and will not affect plant growing. Resilient plastic mesh makes it impossible for animals to chew on barks or seedlings and protects them from mowers or trimmers. It often acts as fencing and protective barriers for trees, shrubs and seedlings.

FEATURES

- ✓ Acid and alkali resistant, chemical resistant.
- ✓ Corrosion resistant, UV resistant and can be used in outdoors for a long time.
- ✓ Protect trees from animal chewing and rubbing.
- ✓ The open mesh structure ensures the air flow freely to prevent trees from moisture and mildew.
- ✓ Simple operation, easy to install and remove, can be used repeatedly.
- ✓ Compared with welded fence, plastic mesh tree guards require a low cost and simple processing.

CATEGORY



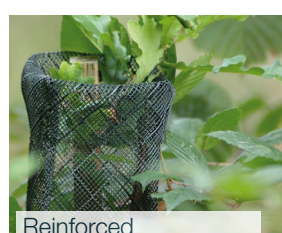
Diamond

Material	HDPE
Color	Green, black
Mesh type	Diamond
Mesh size	15 mm × 15 mm
Fabric weight	250 g/m ²
Diameter	60 cm – 120 cm
Height	45 cm, 60 cm, 75 cm, 90 cm, 120 cm, 150 cm, 180 cm
Roll length	50 m



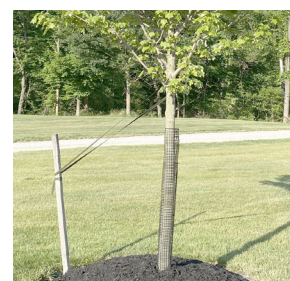
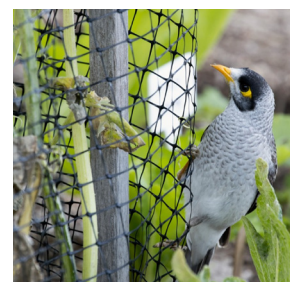
Square

Material	HDPE
Color	Green, black
Mesh type	Rectangular
Mesh size	12 mm × 12 mm, 13 mm × 13 mm, 37 mm × 23 mm, 45 mm × 25 mm
Fabric weight	440 g/m ² , 366 g/m ² , 533 g/m ² , 500 g/m ²
Diameter	45 cm - 140 cm
Height	45 cm, 60 cm, 75 cm, 90 cm, 100 cm, 120 cm, 140 cm, 150 cm, 180 cm
Roll length	50 m



Reinforced

Material	HDPE
Color	green, black
Mesh size	Diamond
Mesh size	Fine mesh 2 mm × 2 mm, 3 mm × 3 mm, 4 mm × 4 mm Standard mesh 12 mm × 12 mm, 13 mm × 13 mm
Diameter	10 cm, 11 cm, 12 cm, 15 cm, 17 cm, 20 cm, 25 cm, 30 cm, etc.
Height	60 cm, 75 cm, 120 cm, 150 cm, 180 cm, etc.



Construction Nets

Plastic Grass Paver



Plastic grass paver is made of HDPE or PP by high pressure injection molding process.

Its 3D structure makes it have certain support height and strength and can prevent solid from being compacted and minimize the wear of the grass.

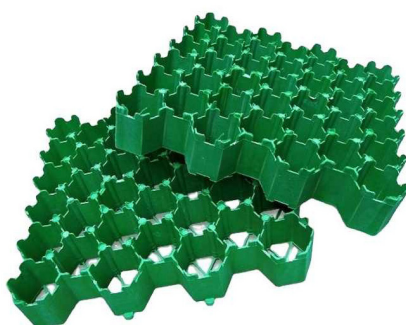
It is widely used in parking lots, fire lanes, truck and vehicle washing areas, barrier-free access, golf cart paths, emergency grass access, residential access, parking spaces, driveways and sidewalks, road shoulders, roof gardens, helipads, etc.

FEATURES

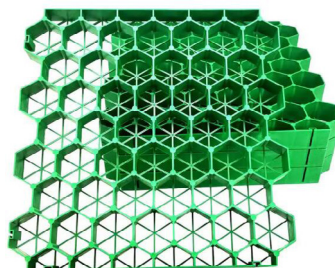
- ✓ Lightweight, high strength, good drainage performance.
- ✓ Wear resistant, pressure resistant, corrosion resistant, stable performance and impact resistant.
- ✓ UV stabilizer additive is added to make it can be used in outdoors for a long time.
- ✓ Its unique interlocking system makes the paving surface as a whole.
- ✓ It avoids local sunk to facilitate the construction and requires little maintenance costs.
- ✓ Eco-friendly, recyclable material

SPECIFICATION

Material	PP/HDPE
Color	Green, black
Size (L × W)	400 mm × 400 mm, 500 mm × 500 mm
Height	35 mm, 40 mm, 50 mm, 70 mm
Compressive strength	160 - 250 t/m ²
Operating temperature	-40 °C to 90 °C (-40 °F to 194 °F)
Lap joint	Flat plug tape lap
Landscaping rate	About 95 %



Fancy top



Plain top

Construction Nets

Geogrid



Geogrids are made by extruding a polymer, such as polypropylene or high-density polyethylene, into sheets, which are then stamped into a regular mesh pattern and stretched. It is a geosynthetic material with an open grid-like appearance.

It can be stretched in different directions, and are generally divided into uniaxial geogrids and biaxial geogrids. In addition to, there are also the multi-axis plastic geogrids (triax plastic geogrids and quad-axis plastic geogrids). It is widely used for retaining wall reinforcement, highway, railway, slope foundation reinforcement and subgrade reinforcement, etc.

FEATURES

- ✓ Made of HDPE or PP, durable, high rigidity and strength.
- ✓ UV stabilizer is added to make it can be used in outdoors for a long time.
- ✓ Chemical resistant and biological resistant.
- ✓ High tensile strength and uniform load distribution over a large area.
- ✓ The joints between ribs are formed in one piece to make it have a stable structure to enhance the load-bearing capacity of the subgrade and extend the lifespan of the road.
- ✓ It helps to solve civil and geotechnical engineering problems in or on the ground and provides a stabilization or reinforcement function.
- ✓ Simple installation and operation, low construction costs.

Uniaxial Plastic Geogrid

It is a geogrid that is stretched laterally to form a long rectangular grid pattern. Uniaxial plastic geogrid generally has a compact structure, good bending stiffness and high strength and is widely used in retaining walls, steep slopes, embankments, bridge abutments and collapse repair projects for reinforcement.



Uniaxial Plastic Geogrid (PP)

Model	Content of Carbon Black (%)	Tensile Strength (kN/m)	Tensile Strength at 2% Elongation (kN/m)	Tensile Strength at 5% Elongation (kN/m)	Limit Creep Strength(kN/m)	Nominal Elongation (%)
TGDG35	≥ 2.0	≥ 35.0	≥ 10.0	≥ 22.0	≥ 15	≤ 10.0
TGDG50	≥ 2.0	≥ 50.0	≥ 12.0	≥ 28.0	≥ 21	≤ 10.0
TGDG80	≥ 2.0	≥ 80.0	≥ 26.0	≥ 48.0	≥ 30.2	≤ 10.0
TGDG120	≥ 2.0	≥ 120.0	≥ 36.0	≥ 72.0	≥ 41	≤ 10.0
TGDG160	≥ 2.0	≥ 160.0	≥ 45.0	≥ 90.0	≥ 49	≤ 10.0
TGDG200	≥ 2.0	≥ 200.0	≥ 56.0	≥ 112.0	≥ 64	≤ 10.0

Uniaxial Plastic Geogrid (HDPE)

Model	Content of Carbon Black (%)	Tensile Strength (kN/m)	Tensile Strength at 2% Elongation (kN/m)	Tensile Strength at 5% Elongation (kN/m)	Limit Creep Strength(kN/m)	Nominal Elongation (%)
TGDG35	≥ 2.0	≥ 35.0	≥ 7.5	≥ 21.5	≥ 16	≤ 11.5
TGDG50	≥ 2.0	≥ 50.0	≥ 12.0	≥ 23.0	≥ 21	≤ 11.5
TGDG80	≥ 2.0	≥ 80.0	≥ 21.0	≥ 40.0	≥ 31	≤ 11.5
TGDG120	≥ 2.0	≥ 120.0	≥ 33.0	≥ 65.0	≥ 46	≤ 11.5
TGDG160	≥ 2.0	≥ 160.0	≥ 47.0	≥ 93.0	≥ 60	≤ 11.5

Biaxial Plastic Geogrid

It is a geogrid that is stretched both horizontally and vertically compared with laterally stretched uniaxial geogrid.

It is widely used in highways, railways, airports, docks for soft foundation treatment and in slopes, embankments, bank protection, road widening, highway pavement, airport road surface and other projects for reinforcement.



Biaxial Plastic Geogrid (PP)

Model	Content of Carbon Black (%)	Longitudinal/Transverse Tensile Strength (kN/m)	Longitudinal/Transverse Tensile Strength at 2% Elongation (kN/m)	Longitudinal/Transverse Tensile Strength at 5% Elongation (kN/m)	Longitudinal/Transverse Nominal Elongation (%)
TGDG1515	≥ 2.0	≥ 15.0	≥ 5.0	≥ 7.0	≤ 15.0/13.0
TGDG2020	≥ 2.0	≥ 20.0	≥ 7.0	≥ 14.0	≤ 15.0/13.0
TGDG2525	≥ 2.0	≥ 25.0	≥ 9.0	≥ 17.0	≤ 15.0/13.0
TGDG3030	≥ 2.0	≥ 30.0	≥ 10.5	≥ 21.0	≤ 15.0/13.0
TGDG3535	≥ 2.0	≥ 35.0	≥ 12.0	≥ 24.0	≤ 15.0/13.0
TGDG4040	≥ 2.0	≥ 40.0	≥ 14.0	≥ 28.0	≤ 15.0/13.0
TGDG3535	≥ 2.0	≥ 35.0	≥ 12.0	≥ 24.0	≤ 15.0/13.0
TGDG4040	≥ 2.0	≥ 40.0	≥ 14.0	≥ 28.0	≤ 15.0/13.0

Multi-Axial Plastic Geogrid

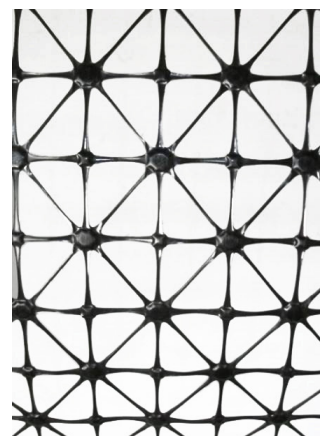
Multi-axial plastic geogrid is generally divided into 2 types, they are triaxial plastic geogrid and quad-axial plastic geogrid.

✓ Triaxial Plastic Geogrid

It is a geogrid that is stretched along equilateral directions to form a triangular structure, and it has a higher tensile strength than uniaxial and biaxial plastic geogrids. It is widely used in the transportation field that requires high load-bearing capacity.

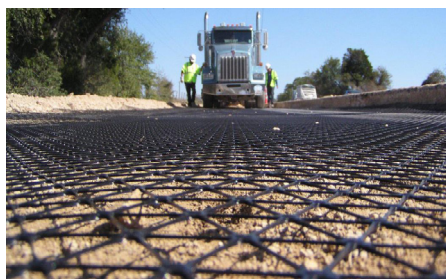
✓ Quad-Axial Plastic Geogrid

It is the most stable and durable structure among all geogrids. PP quad-axial plastic geogrid has great UV resistance, chemical and biological resistance. In addition, its stretching along transverse, longitudinal and 45 degree directions provide the maximum tensile strength for geogrids.



Multi-Axial Plastic Geogrid (PP)

Model	Content of Carbon Black (%)	Tensile Strength (kN/m)	Tensile Strength at 2% Elongation (kN/m)	Tensile Strength at 5% Elongation (kN/m)	Nominal Elongation (%)	Secant Modulus at 2% Strain (kN/m)	Secant Modulus at 5% Strain (kN/m)
TGDXG10×4 PP	≥ 2.0	≥ 10.0	≥ 4.0	≥ 6.0	≤ 13.0	≥ 200	≥ 120
TGDXG15×4 PP	≥ 2.0	≥ 15.0	≥ 6.0	≥ 8.0	≤ 13.0	≥ 300	≥ 160
TGDXG20×4 PP	≥ 2.0	≥ 20.0	≥ 8.0	≥ 16.0	≤ 13.0	≥ 400	≥ 320



Construction Nets

3D Geomat



3D geomat is also known as 3D vegetation net, erosion control mats, debris flow control mats, landslide control mats, etc.

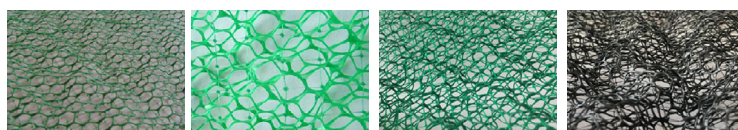
It is a multi-layer mesh structure made of PP, UV stabilizer and other additives. Structurally, it is a stable 3D mesh structure made of single or multi-layer plastic 3D mesh and high-strength flat mesh bonded by heat fusion, and voids over 90% can be filled sand and soil. It takes advantage of plants and 3D mesh structure to build a protection system that allows these plant to have their' own growth capacity. It is widely used in roads, railways, rivers and dams for slope protection, and can replace concrete, asphalt, stone and other slope materials.

FEATURES

- ✓ Lightweight, high flexibility and tensile strength, loose and flexible structure, easy installation and operation.
- ✓ UV stabilizer and anti-aging agent are added to make it have excellent corrosion resistance, acid and alkali resistance and can be used in outdoors for a long time.
- ✓ Low cost, degradable, and will not pollute the environment.
- ✓ It protects the ground surface from wind and rain erosion before the turf growing up.
- ✓ It enables the grass seeds to be firmly kept on the slope surface and will not be eroded by wind and rain.
- ✓ It forms a composite protective layer with plants that can withstand high water levels and high flow rate sourcing.
- ✓ When the vegetation cover reaches 80% and grows well, it can withstand up to 6 m/s of heavy rain scouring.
- ✓ It increases the shear strength of the soil and improves the stability and erosion resistance of the slope.
- ✓ It can replace concrete, asphalt, stone and other slope materials.

CATEGORY

3D geomats are divided into 1 layer, 2 layers, 3 layers, 4 layers and 5 layers by number of layers and are expressed by EM2, EM3, EM4 and EM5 respectively.



Category	EM2	EM3	EM4	EM5
Color	Black, green			
Fabric weight (g/m ²)	≥ 220	≥ 260	≥ 350	≥ 430
Thickness (mm)	≥ 10	≥ 12	≥ 14	≥ 16
Longitudinal/transverse tensile strength (kN/m)	≥ 0.8	≥ 1.4	≥ 2.0	≥ 3.2
Width (m)	2.0			
Length (m)	30, 40, 50			

3D geomats for different conditions:

- When the slope is less than 30°, EM2 or EM3 is highly recommended;
- When the slope falls between 30° and 40°, EM4 is highly recommended;
- When the slope is greater than 45°, EM5 is highly recommended;



Construction Nets

Windbreak Net



Windbreak net is made of HDPE after special process weaving. It is added with UV stabilizer, fire retardant and other additives to make it solid and firm. Also known as windbreak netting or dust net, it is a flexible barrier widely used in industrial and municipal engineering projects for wind and dust prevention. It is widely used in ports, thermal power plants, coal mines, coking plants, steel plants, coal washeries, and coal yards and stock yards of cement plants, and is the main method of wind damage prevention and dust pollution control. Besides being used in various industrial fields, windbreak nets are also widely used in agricultural fields (such as shading) and commercial fields (such as badminton courts).

FEATURES

✓ Excellent wind reduction and dust control performance.

It weakens the wind speed and reduces the dust carried by the wind. Single-layer windbreak net can reduce 35%–75% of the wind and block 40%–85% of the sunlight, while double-layer windbreak net can reduce 50%–55% of the wind and block 70%–85% of the sand.

✓ Sturdy construction.

Special weaving technology is used so that it will not fall apart even if it is artificially damaged.

✓ Impact resistance.

It has excellent resilience to withstand weather such as strong wind and hail.

✓ Wide applications.

It can be used for a variety of applications in different fields, and is easy to install and replace.

✓ Various colors.

Flexible windbreak nets come in a variety of colors, including green, black, white and blue, with black and green being the most popular.

✓ Good fire resistance.

Flame retardant is added to the material to improve the fire resistance of flexible windbreak nets.

✓ UV resistance and anti-aging.

The UV resistant agent is added to the material to prolong the service life of the material and make sure it can be used in outdoors for a long time.

✓ Easy to install and operate.

The edges are designed with metal grommets to make sure the windbreak net is easy to install, reducing the friction of the wire rope on the net and prolonging its service life.

SPECIFICATION

Material: HDPE

Color: green, black, white, blue, bi-color

Fabric weight: 200 g/m², 250 g/m², 280 g/m², 300 g/m², 350 g/m², 400 g/m², 450 g/m², 500 g/m²

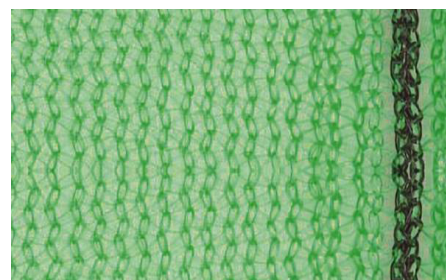
Width: 1 m – 6 m

Length: 1 m – 100 m

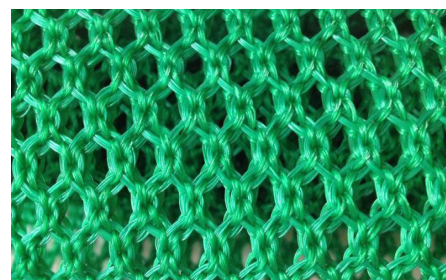
CATEGORY

Windbreak nets are divided into single-layer flexible windbreak nets and double-layer flexible windbreak nets by the number of layers.

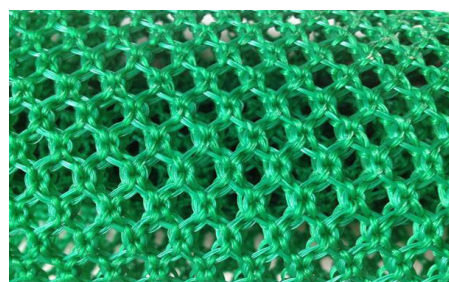
Single-layer flexible windbreak net is a kind of standard flexible windbreak net that can reduce 35%–75% of the wind and block 40%–85% of the sunlight. It comes in a variety of weights and open areas to suit different areas and achieve different wind prevention performance. It is widely used in agricultural production because of its high cost performance, good shading, insect protection and reduced water evaporation functions.



Single-layer flexible windbreak net

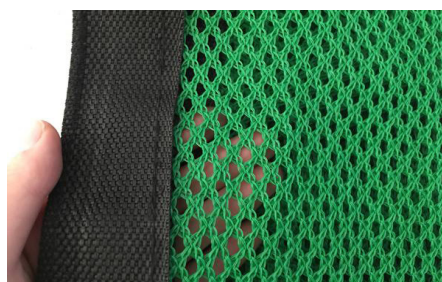


Double-layer flexible windbreak net



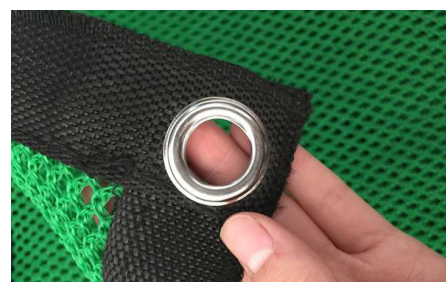
✓ Special Knitting Technology

It will not fall apart even if it is artificially damaged.



✓ Edging

It improves the tensile strength of flexible windbreak nets.



✓ Grommet

It reduces the friction of the wire rope on the net.



Daily Use Nets

Plastic Mattress Netting



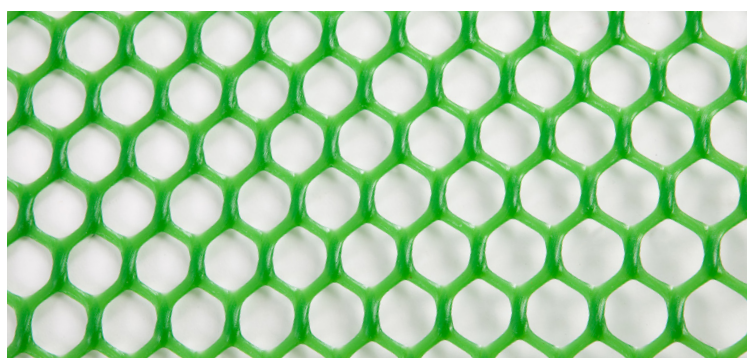
Plastic mattress netting is mainly used for spring mattresses. It is made of PP or PE added with antistatic agent and anti-aging agent after high temperature melting and extrusion to make it have high tensile strength. It is often placed on the top of spring to prevent the fill layers (fiber pad, non-woven fabric, foam, felt, etc.) from falling down into the spring coils. It can also be used for sofa cushions, car cushions and air conditioning net.

FEATURES

- ✓ Anti-aging, corrosion resistant and long service life.
- ✓ Light weight, high strength, low cost and recyclable.
- ✓ Prevent mattress and sofa from local sinking or collapse.

SPECIFICATION

Material	PP/PE
Color	Green, white, black (customizable)
Mesh type	Hexagonal
Mesh size	6.5 mm × 6.5 mm, 7.0 mm × 7.0 mm, 7.5 mm × 7.5 mm
Fabric weight	30–40 sqm
Width	1.0 m – 2.5 m
Length	Customizable



Daily Use Nets

Plastic Mesh Gutter Guard



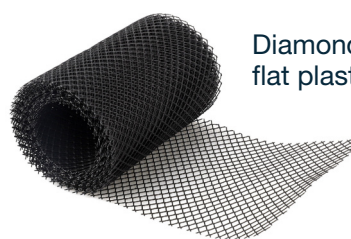
Plastic mesh gutter guard, also known as plastic gutter mesh, is plastic net made of PE or PP. It is rigid and durable and can suit to gutters of all types and protect gutters and rain drain pipes from roof debris and falling leaves.

FEATURES

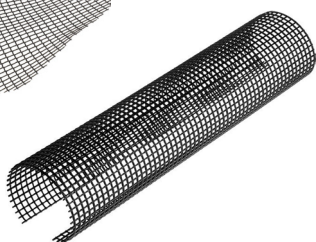
- ✓ Plastic mesh gutter guard will never rust or be corroded compared with metal guard.
- ✓ UV stabilizer is added to the material to make it can be used in outdoors for a long time.
- ✓ Low cost, easy to clean and install.

SPECIFICATION

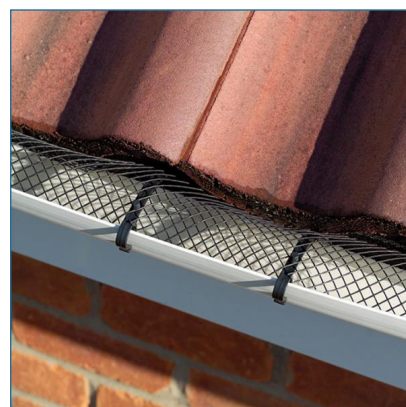
Material	PP/PE
Color	Black
Mesh type	Diamond, square
Mesh size	0.2" × 0.2", 0.3" × 0.3", 0.4" × 0.4"
Width	5.9", 6.3", 7.09" (customizable)
Length	19.7', 26.24' (customizable)



Diamond
flat plastic mesh gutter guard



Square
convex plastic mesh gutter guard



Daily Use Nets

Plastic Protective Sleeve



Plastic protective sleeve is mainly made of low density polyethylene (LDPE) through the extrusion process. It is available in a variety of colors, and is an ideal choice for product protection during transportation, storage and other handling processes.

It is mainly used to protect the surface and edges of electroplated, polished or powder-coated parts of the metal shaft, bolts, precision instruments and glassware from damage during transportation, handling, and storage. will not damage, prevent the damage to the outer surface. Besides, it can also be used for packaging fruits and vegetables,, simple and beautiful and easy to carry.

FEATURES

- ✓ Excellent resistant to oils, greases and chemicals.
- ✓ It eliminates problems caused by fraction or condensing.
- ✓ It fits to objects of irregular shapes.
- ✓ It comes in a variety of sizes, diameters and colors.
- ✓ Wide applications, reusable and recyclable.

SPECIFICATION

Material	LDPE
Color	red, orange, yellow, white, blue, green, etc.
Mesh type	diamond
Tensile strength	100 N/mm ²
Mesh size	10 mm × 15 mm, 15 mm × 30 mm, 30 mm × 40 mm, 40 mm × 50 mm, 50 mm × 65 mm, 65 mm × 80 mm, 80 mm × 105 mm, 100 mm × 200 mm, 105 mm × 130 mm
Fabric weight	7–200 g/m ²
Planar diameter	80 mm – 1750 mm
Length	customized





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