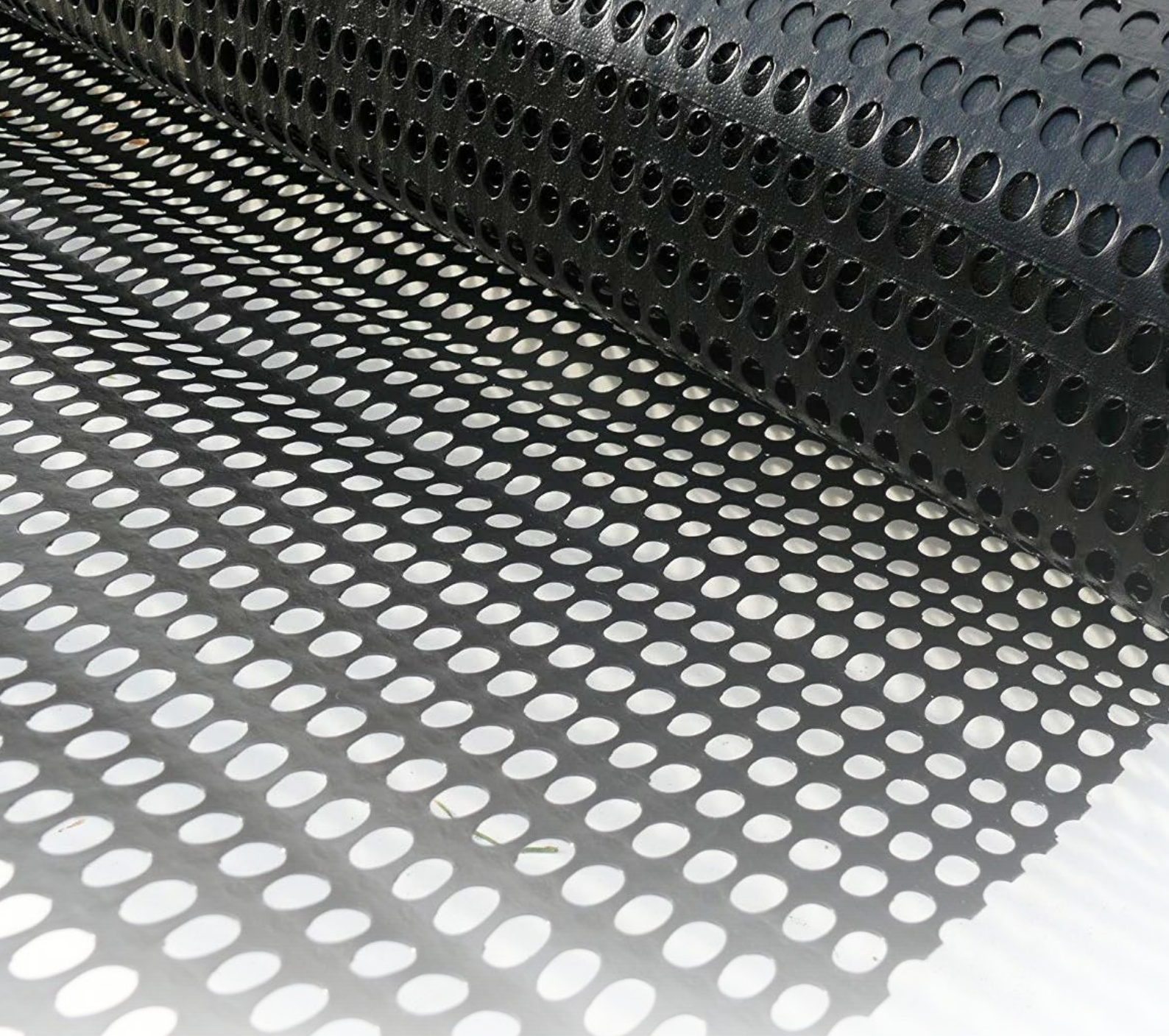




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WINDBREAK FENCE

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Windbreak Fence – Flexible Waved, Knitted, Extruded, Perforated



Windbreak fence can be divided into 2 types because of different materials: plastic windbreak netting and metal windbreak panel. Plastic windbreak netting includes extruded windbreak netting, flexible windbreak netting and knitted windbreak netting.

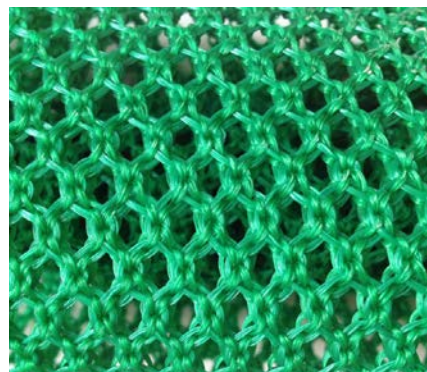
Windbreak fence with good wind-reduction and sand-reduction is mainly used to stop wind, hail and snows. It is usually used for garden wind-prevent, agriculture crops sand prevention, protect animals and plants from damaging.

Feature

- Prevent wind and hails effectively.
- Good air ventilation with countless holes.
- Stable structure and flame resistant.
- UV stabilized and rot resistant.
- Easy installation and transportation.
- Economical and long service life.

Flexible windbreak netting:

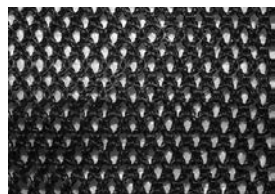
Flexible windbreak netting is made of high density polyethylene with softer structure and lighter weight. It is one type of multi-filament windbreak netting. It has UV-resistance, anti-weather and long service life.



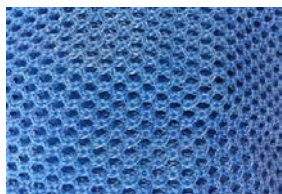
Specification

- **Material:** high density polyethylene.
- **Weight:** 200 g/m², 250 g/m², 280 g/m², 300 g/m², 350 g/m², 400 g/m², 450 g/m² and 500 g/m². Special size can be customized.
- **Wind reduction:** 50% – 55%.
- **Dust reduction:** 70% – 85%.
- **Length:** 1 m – 100 m. Special size can be customized.
- **Width:** 1 m – 6 m. Special size can be customized.
- **Color:** single color (black, green, white, blue), and two colors (green/black, blue/black).

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Black color



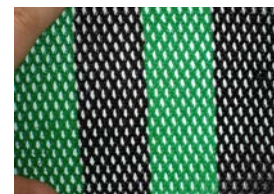
Blue color



White color



Green color net



Green/Black color net

- **Edge:** reinforced edge and button hole for security and easy installation.



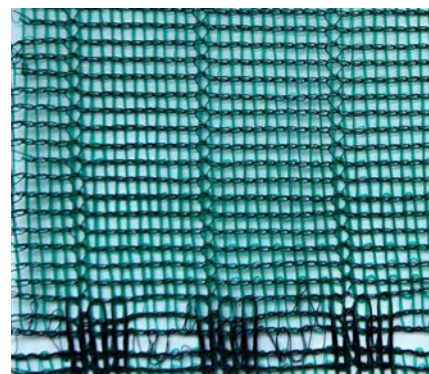
Reinforced edge



Button hole for easy installation

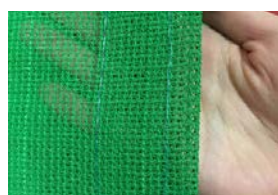
Knitted windbreak netting:

Knitted windbreak netting is made from HDPE Monofilament with UV additive for a long service life. Its common wind reduction is 35% – 75%.



Specification

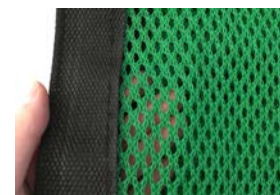
- **Material:** HDPE Monofilament knitted with UV additive.
- **Wind Reduction:** 35% – 75%.
- **Shade rate:** 45% – 85%.
- **Colors:** green, blue, red, black, orange, yellow, etc.
- **Width:** 1 m, 1.5 m, 2 m, 3 m and 6 m.
- **Roll Length:** 20 m, 30 m, 50 m, 100 m, 200 m and 300 m.
- **Technology:**
 - Eyelets woven into the edge every 5 cm.
 - Fix with netting clips, cable ties or cord.
- **Edge:**



Sew edge


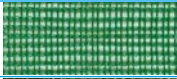








Copper grommet on the reinforced edge



Galvanized grommet on the edge.

Table 1: Specification of Knitted Windbreak Netting

Items	Pattern	Wind Reduction	Shade Rate	Weight (g/m ²)
LKW-354580		35%	45%	80
MKW-405010		40%	50%	100
MKW-405011		40%	50%	110
HKW-505514		50%	55%	140
HKW-506027		50%	60%	270
HKW-556529		55%	65%	290
HKW-657530		65%	75%	300
HKW-758532		75%	85%	320



Extruded windbreak netting:

Extruded windbreak netting is made of HDPE with 50% –60% wind reduction, which has good UV stabilization, anti-chemical, anti-biological, air ventilation and high tensile strength.

Specification

- **Material:** high density polyethylene.
- **Wind reduction:** 50% – 60%.
- **Mesh hole type:** common hexagonal and rectangular.



Rectangular holes pattern



Hexagonal holes pattern

- **Hexagonal hole size:** from 8 mm × 6 mm to 33 mm × 30 mm.
- **Rectangular hole size:** 6 mm × 6 mm, 7 mm × 7 mm, 10 mm × 13 mm, 12 mm × 12 mm, 12 mm × 13 mm and 20 mm × 5 mm.

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- **Hexagonal hole mesh weight:** 400–515 g/m².
- **Rectangular hole mesh weight:** 300–820 g/m².
- **Color:** black, green, orange, etc.
- **Roll width:** 1 m and 1.2 m.
- **Roll length:** 30 m and 50 m.
- **Patterns:**


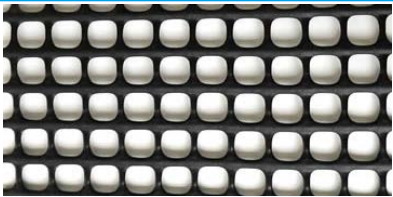

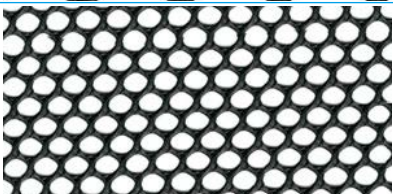
Table 2: Extruded Windbreak Netting Patterns Specifications

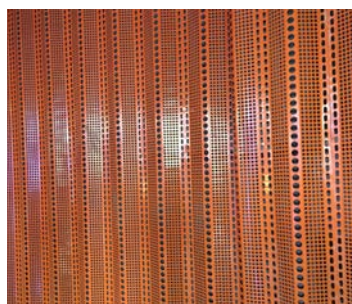
Code	Pattern	Color	Hole Shape	Hole Size	Weight
EWN-1		White	Hexagonal	33 mm × 30 mm	420 g/m ²
EWN-2		Orange	Rectangular	13 mm × 10 mm	450 g/m ²
EWN-3		Green	Rectangular	6 mm × 6 mm	240 g/m ²
EWN-4		Black	Diamond	7 mm × 7 mm	350 g/m ²
EWN-5		Black	Oval	12 mm × 12 mm	820 g/m ²
EWN-6		Black	Oval	6 mm × 6 mm	530 g/m ²

Table 3: Extruded Windbreak Netting Mesh Size 4–25 mm

Code	Pattern	Hole Size	Weight	Roll Width	Roll Length
EWN-15550		15 mm × 5 mm	450 g/m ²	1 m, 1.2 m	30 m, 50 m
EWN-15560		15 mm × 5 mm	300 g/m ²	1 m, 1.2 m	30 m, 50 m
EWN-125		12 mm × 5 mm	360 g/m ²	1 m, 1.2 m	30 m, 35 m, 50 m
EWN-2510		25 mm × 10 mm	450 g/m ²	1 m, 1.2 m	30 m, 35 m, 50 m

Table 4: Heavy Duty Windbreak

Code	Pattern	Specification
HEWN-81050		Wind reduction: 50%. Mesh size: 8 mm × 10 mm. Weight: 425 g/m ² . Roll height: 1 m and 2 m. Roll length: 30 m, 50 m, 60 m and 100 m.
HEWN-6655		Wind reduction: 55%. Mesh size: 6 mm × 6 mm. Weight: 730 g/m ² . Roll height: 1 m and 2 m. Roll length: 30 m, 50 m, 60 m and 100 m.
WGS-8650		Wind reduction: 50 %. Mesh size: 8 mm × 6 mm. Weight: 538 g/m ² . Roll height: 1 m, 1.5 m and 2 m. Roll length: 30 m, 35 m, 50 m and 60 m.
HEWS-4460		Material: HDPE material. Feature: UV additive and rot resistance. Wind reduction: 60 %. Mesh size: 4 mm × 4 mm. Weight: 408 g/m ² .



Windbreak panel:

Windbreak panel, also called wind dust net, has 65% – 95% wind and dust reduction. Windbreak panel has 4 types: single peak, twins peaks, three peaks and five peaks windbreak panels. Its features include high strength, toughness, anti-corrosion and easy installation.

Specification

- **Material:** aluminum-zinc coated steel plate, galvanized steel plate, cold-rolled steel plate, stainless steel sheet.
- **Metal thickness:** 0.3 mm – 3 mm.
- **Single panel width:** 200 mm – 940 mm.
- **Single panel length:** 0.5 m – 8 m.
- **Sheet width:** 1.2 m.
- **Sheet length:** 2 m – 20 m.
- **Color:** yellow, blue, orange, green, etc.
- **Package:** in wooden cases or in steel frames.
- **Types:** single peak panel, twins peaks panel, three peaks panel and five peaks panel.

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Table 5: Specifications of 4 Types of Windbreak Panels





Pattern	Width (mm)	Peak Height (mm)	Plated Thickness (mm)
Single peak windbreak panel			
	250–300	50–80	0.6–1.5
	300–450	70–90	0.6–1.5
	450–500	90–100	0.6–1.5
Twins peaks windbreak panel			
	400–600	50–100	0.5–1.5
	700–900	90–100	0.5–1.5
Three peaks windbreak panel			
	810–940	70	0.4–1.5
Five peaks type anti-wind and dust board			
	940	15, 20	0.6–1.5

Table 6: Specifications of PVC Windbreak Wall

Plate Material	Metal Thickness (mm)	Hole Diameter (mm)	Sheet Width (m)	Sheet Length (m)	Porosity (%)	Weight (kg/m ²)
Cold-Rolled Steel Plate	0.3	6	1.2	20	44	0.88
	0.35	5	1.2	20	24	2
	0.45	6	1.2	20	35	2.5
	0.8	3	1.2	20	19.6	3
Galvanized Steel Flat Plate	0.5	1	1.2	2	19.6	3.14
	0.55	1.1	1.2	2	22.67	3.411
	0.55	1.5	1.2	2	26.03	3.268
	0.8	1.5	1.2	2	19.6	5
	0.8	2.0	1.2	2	30.78	4.465
	1.5	2	1.2	2	19.6	9.4
	1.5	5.0	1.2	2	35.39	7.843
	3	5	1.2	2	19.6	18.8
Stainless Steel Plate	0.5	1	1.2	2	19.6	3.14
	0.8	1.5	1.2	2	19.6	5
	1	2	1.2	2	19.6	6.28
	2	5	1.2	2	19.6	6.28
Aluminum Plate	0.5	1	1.2	2	19.6	1.08
	0.8	3	1.2	2	19.6	1.72
	1.6	2	1.2	2	19.6	3.24
	3	4	1.2	2	19.6	4.23

Application

- Power plant protection.
- Coal yard isolation fence.
- Garden wind-prevent fence.
- Industrial site protection.
- Agriculture crops sand prevention.
- Isolate areas to prevent entering.
- Protect animals or plants from damaging.
- Subgrade reinforcement mesh in highways, railways and slops construction.
- Landscape construction.
- Decorative products.



Windbreak wall for coal plant.



Windbreak panels for power plant.



Windbreak netting for road protection.



Knitted windbreak netting for plants protection.



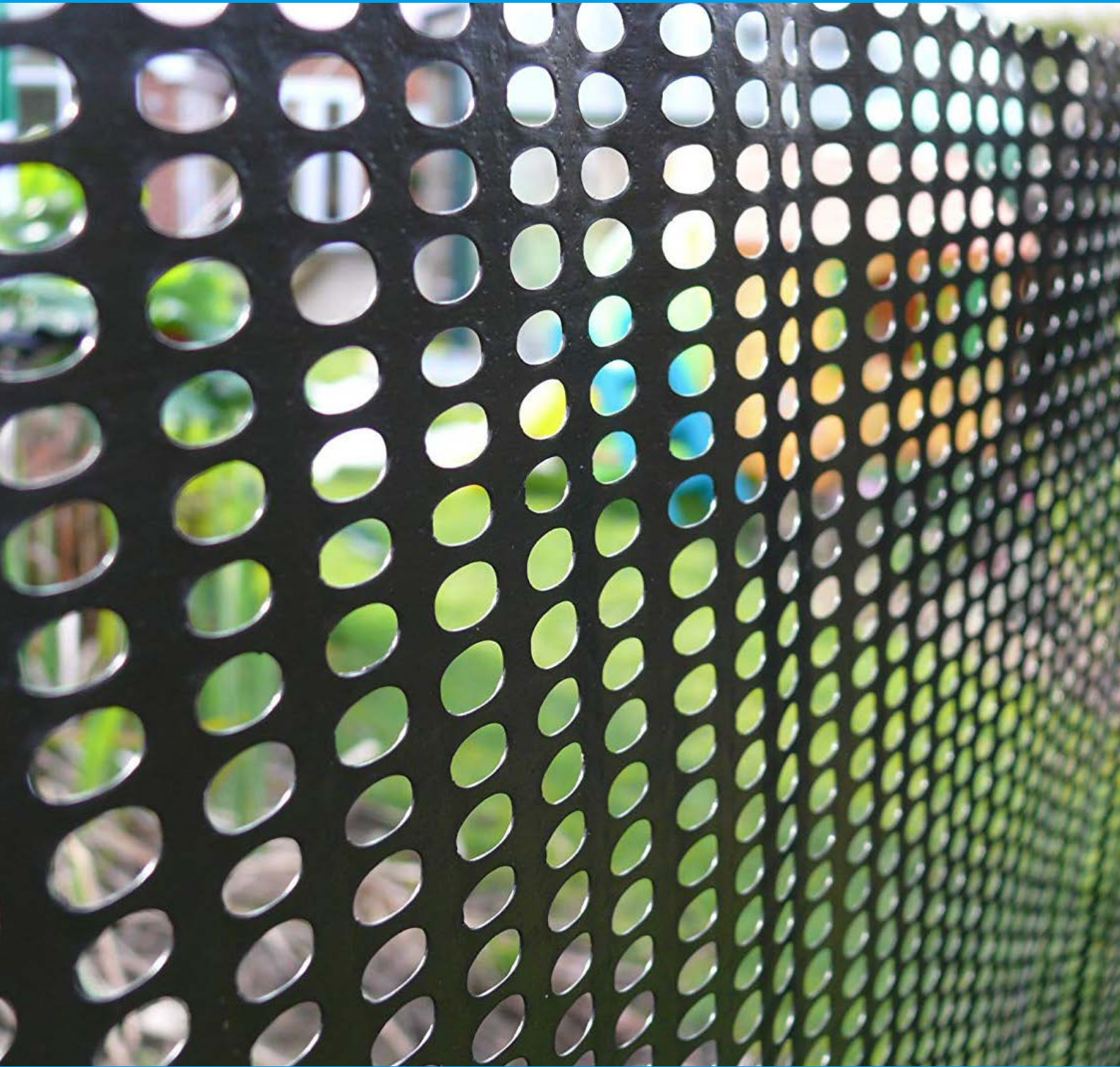
Knitted windbreak netting for badminton court.



Windbreak netting for agricultural protection.

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