

Agricultural Materials

For importers, distributors
and greenhouse project buyers

**Xuzhou Zhinong Cloud
Supply Chain Management Co., Ltd.**

Xuzhou, China
<https://znony.com>



Covering, irrigation and lining materials

Eight product families for importers, distributors and agricultural project buyers.

Our product range

We supply crop covering materials, drip irrigation tape, geomembrane liners and fiberglass support rods.

Select individual products or discuss a combined specification for your growing project.

Product family	Buyer application	Page
Insect screen	Crop protection / ventilation	04
Weed control fabric	Orchard / nursery ground cover	05
Shade net	Light management	06
Agricultural mulch film	Crop-row soil covering	07
Greenhouse film	Protected cultivation	08
Drip irrigation tape	Root-zone water delivery	09
Geomembrane liner	Water storage / seepage control	10
Fiberglass rod	Crop / small-tunnel support	11

Match crop requirements, installation conditions and packing needs to a clear product specification.

Product selection at a glance

Match each growing requirement with the specifications that determine product suitability.

Growing requirement	Product	Key specification	Selection consideration
Physical insect barrier	Insect screen	Mesh / aperture, GSM	Balance exclusion and airflow.
Weed suppression	Weed control fabric	Construction, GSM, roll size	Specify woven or nonwoven.
Light management	Shade net	Shade rate, GSM, roll size	Match crop and light levels.
Soil covering	Mulch film	Color, thickness, roll size	Match crop cycle and laying.
Greenhouse covering	Greenhouse film	Thickness, optics, functions	Agree grade and anti-drip needs.
Root-zone irrigation	Drip irrigation tape	Spacing, wall, flow, pressure	Match layout and filtration.
Water storage lining	Geomembrane liner	Thickness, resin, roll size	Agree seams and subgrade.
Crop / tunnel support	Fiberglass rod	Diameter, length, finish	Match load and fixing method.

Listed configurations are reference specifications. Final grade, dimensions, tolerances and performance are confirmed per order.

Insect screen

Two listed configurations for greenhouse, nursery and field-tunnel protection.



Mesh	GSM	Roll size	Area (m²)	Roll kg*
40	80	3 x 50 m	150	12
50	120	3 x 50 m	150	18

Material reference: HDPE. Confirm aperture, yarn diameter and the required UV grade.

Application value

A physical barrier for greenhouse openings and crop tunnels. Match aperture to the target pest while preserving ventilation.

Mesh selection

40 mesh and 50 mesh are listed reference configurations. Choose aperture for the target pest and ventilation needs.

*Listed roll mass is a reference value. Confirm net/gross basis, tolerances and packing.

Weed control fabric

A 100 GSM reference roll for orchard rows, nurseries and horticultural ground cover.



GSM	Roll size	Area (m²)	Roll kg*
100	2 x 100 m	200	21

Material reference: PP. Confirm woven or nonwoven construction against the approved sample.

Application value

Ground cover to help suppress weeds in orchard rows and nurseries. Select woven or nonwoven construction to suit the application.

Construction and use

Woven fabric is a selection reference for walkways and orchard rows. Nonwoven construction should be specified separately.

*Listed roll mass is a reference value. Confirm net/gross basis, tolerances and packing.

Shade net

Round-yarn shade net in six listed shade-rate and weight combinations.



Application value

Light control for greenhouse and nursery areas. Select shade performance for the crop, climate and installation.

Shade %	GSM	Roll size	Area (m²)	Roll kg*
30%	50	4 x 50 m	200	10
50%	60	4 x 50 m	200	12
60%	80	4 x 50 m	200	16
70%	110	4 x 50 m	200	22
80%	150	4 x 50 m	200	30
90%	200	4 x 50 m	200	40

Shade selection

Match shade rate to the crop and local light conditions.
Confirm measured shade performance and edge treatment.

*Listed roll mass is a reference value. Confirm net/gross basis, tolerances and packing.

Agricultural mulch film

Three listed mulch-film configurations for crop-row soil covering.



Application value

Soil covering to help manage moisture, soil temperature and weeds. Match film color and material to the crop cycle.

*Film GSM and listed roll mass use separate reference values. Confirm net/gross basis and packing.

Color	Thickness (μm)	Film GSM	Roll kg*
Silver-black	60	56	9.6
Black	30	28	4.6
White	60	56	9.6

All listed rolls: 1.6 x 100 m, covering 160 m². Material reference: PE.

Color and crop cycle

Select color and thickness for soil temperature and weed-management needs. Biodegradable material requires a separate confirmed specification.

Greenhouse film

Two listed covering-film configurations for commercial greenhouse projects.



Application value

Light and condensation management for protected cultivation. Specify optical targets and the required anti-drip treatment.

Thickness (μm)	Roll size	Film GSM	Area (m²)	Roll kg*
150	8 x 50 m	138	400	60
200	10 x 50 m	184	500	100

Confirm resin grade, light transmission, anti-drip treatment and UV requirements. PO grades are specified separately.

Performance requirements

Agree optical targets, condensation control and the installation side.
Film thickness alone does not establish service life.

*Film GSM and listed roll mass use separate reference values. Confirm net/gross basis and packing.

Drip irrigation tape

Four listed configurations for root-zone watering in row crops and protected cultivation.



AI-generated illustration. Actual product may vary.

Application value

Localized delivery of water near crop roots. Can be paired with mulch film in row-crop systems. Select a complete hydraulic specification.

Spacing (cm)	Wall (mm)	Roll length	Roll kg*
15	0.35	1000 m	18.25
20	0.35	1000 m	18.00
15	0.40	1000 m	20.85
20	0.40	1000 m	20.60

System matching

Confirm tape diameter, emitter flow, pressure and filtration.
Match emitter spacing to the crop layout and soil.
Provide flushing points and check outlets during installation.

*Reference roll mass. Confirm net/gross basis, packing and the final hydraulic parameters for the grade.

Geomembrane liner

Three listed thicknesses for agricultural pond lining and water-storage projects.



AI-generated illustration. Actual product may vary.

Application value

A continuous liner to help limit seepage from agricultural water storage. Match thickness and seam design to the project.

Thickness	Roll size	GSM	Area (m²)	Roll kg*
0.50 mm	7 x 400 m	460	2800	1330
0.75 mm	7 x 250 m	690	1750	1247
1.00 mm	7 x 200 m	920	1400	1330

Lining-system requirements

Specify resin grade, subgrade preparation and joining method. Confirm seam testing, puncture resistance and UV exposure. Suitability for water contact is confirmed for the actual grade.

*Listed roll mass is a reference value. Confirm net/gross basis, tolerances and packing.

Fiberglass rod

FRP support components for crops, nurseries and small tunnels.



Application value

Lightweight, corrosion-resistant support components for crops and small tunnels. Select diameter and surface for the intended use.

To specify: Use, diameter, length, surface, load / span and bundle quantity.

Specification	Indicative range / enquiry option
Material	Glass fiber reinforced resin (FRP)
Diameter range	4-30 mm
Length range	1-8 m
Colors	White, green, gray
Surface options	Smooth, textured or coated
Acceptance focus	Diameter, length, finish, mechanical properties

Size-selection reference

- 4-5 mm: flower and light crop support.
- 6-8 mm: climbing crop and nursery support.
- 10-12 mm: heavier nursery or tunnel applications, subject to design requirements.

Application-based product combinations

Combine covering, irrigation and lining materials around the growing operation.

Application	Product families to discuss	Buyer inputs
Greenhouse vegetables	Greenhouse film, insect screen Shade net, drip irrigation tape	Crop and climate Greenhouse and irrigation layout
Orchard and nursery	Weed control fabric Fiberglass rod, drip irrigation tape	Row layout and support needs Water quality and emitter spacing
Field and small tunnels	Mulch film, insect screen Fiberglass rod, drip irrigation tape	Bed width and tunnel dimensions Crop cycle and water supply
Agricultural water storage	Geomembrane liner	Pond dimensions and subgrade Resin, seams and water-contact needs

For distributors Send the target market and preferred roll sizes to discuss a distributor assortment.

These are sourcing combinations. Final product quantities, compatibility and installation design require project confirmation.

Specifications and inspection

Use a written specification and approved sample to establish the acceptance criteria for each order.

Checkpoint	Applicable products	What to agree
Material and grade	All product families	Polymer / resin, formulation and sample reference
Dimensions and quantity	Roll goods and rods	Width, length, thickness / diameter and tolerances
Construction and mass	Nets and ground covers	Mesh / aperture, yarn, construction and GSM
Functional performance	Films, nets, covers, drip tape	Optical, shade, permeability and flow requirements
Weathering performance	Outdoor-use products	Exposure conditions, test evidence and warranty scope
Inspection and traceability	Each shipment	Sampling, batch identification and required records

Request product-specific evidence where needed. Test methods and warranty scope must match the supplied grade.

Packing and delivery requirements

Confirm product specification, roll configuration and delivery requirements together.

Item	Information to include in the enquiry
Roll / bundle configuration	Finished dimensions, units per pack and net quantity
Protection and handling	Roll core, outer wrapping, bundle protection and pallet needs
Labels and identification	Product description, size, quantity, batch code and buyer label artwork
Shipment information	Order quantity, destination port / address and required arrival date
Commercial terms	Preferred trade term, named place and payment requirements
Documents and inspection	Required packing list, test documents and inspection arrangement
Order planning	Order quantity, lead time, package dimensions / mass and customization needs

Packing options, order quantities and delivery schedules are confirmed for the specific requirement.

Product requirements checklist

Send your product requirements to ethan@znony.com for specification matching.

Buyer information	Complete with your requirements
Company / contact	
Destination country / port	
Product family / application	
Material / grade / construction	
Size / performance specification	
Quantity / roll or bundle size	
Packing / label requirements	
Delivery destination / timing	
Sample / test / document needs	

A drawing, sample reference or existing specification sheet can be included with your enquiry.

Discuss your project requirements

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Share the application, specifications and destination
to help us match the right product configuration.