



AGRICULTURAL FILM SOLUTIONS
TARIMSAL FİLM ÇÖZÜMLERİ

PRODUCT CATALOG 2024





TARIMSAL FİLM ÇÖZÜMLERİ
AGRICULTURAL FILM SOLUTIONS

55
YEARS
1969 - 2024



ESTABLISHMENT

Since 1969,
for a full **55 years**, we have
been manufacturing films for
agricultural applications.



CAPACITY

3-layer co-extrusion production
lines, we manufacture up to **16
meters** in width, achieving a
daily production capacity of
80 tons.



ENERGY

We produce without
consuming; we meet our
entire energy needs from
renewable sources.



EXPORT

We export our products to
55 countries worldwide.



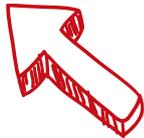
R&D

We are continuously
working on innovations to
enhance crop productivity.



QUALITY

We are elevating our quality
standards in collaboration
with **Bureau Veritas**, an
international inspection and
certification organization.





TARIMSAL FİLM ÇÖZÜMLERİ
AGRICULTURAL FILM SOLUTIONS

ISTANBUL SERA PLASTIK PRODUCTS

GREENHOUSE COVERS

- Sera Classic
- Sera Thermal
- Sera Pro
- Sera Performa
- Maxi Cover
- Maxi Cover Lux



MULCH COVERS

- Transparent Mulch
- Black Mulch
- Super Mulch
- Black & White Mulch
- Black – Silver & Grey Mulch
- Fume Mulch
- Eco Mulch



SILAGE COVERS

- Black & White
- Black & Yellow
- Black & Blue
- Black & Green



GEOMEMBRANE



THERMAL SCREEN

- Classic Energy
- Thermal Energy
- Pro Energy
- Performa Energy
- Performa Energy Lux
- Max Energy
- Max Energy Lux



LOW TUNNEL

- Strawberry Tunnel Film
- Watermelon Tunnel Film



SOLARIZATION

- New Generation Thin Cover
- New Generation Solarization Cover



BAGS

- Seedling Bags
- Antifog Bags
- Collecting Bags
- Soilless Agricultural Bags

FLAME RETARDANT PLASTIC FILM





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AGRICULTURAL FILM SOLUTIONS

GREENHOUSE COVERS

SERA CLASSIC

9 12 24 36 60 | MONTH



High light transparency high strength and ultraviolet resistance greenhouse cover films.

| | | |
|----------------|-----|-------------|
| Additives | | |
| Ultraviolet | | ✓ |
| Anti Bacterial | | ✓ |
| Anti Oxidant | | ✓ |
| Thickness | | |
| 9 Months | 100 | μ Micron |
| 12 Months | 100 | |
| 24 Months | 150 | |
| 36 Months | 180 | |
| 60 Months | 200 | |

SERA THERMAL SERA THERMAL LUX

9 12 24 36 60 | MONTH



Greenhouse cover film with thermal effect, optimal light diffusion and high strength.

| | | |
|----------------|-----|-------------|
| Additives | | |
| Ultraviolet | | ✓ |
| Anti Bacterial | | ✓ |
| Anti Oxidant | | ✓ |
| Thermal | | ✓ |
| Light Diffuser | | ✓ |
| EVA | | ✓ |
| Thickness | | |
| 9 Months | 90 | μ Micron |
| 12 Months | 100 | |
| 24 Months | 150 | |
| 36 Months | 180 | |
| 60 Months | 200 | |

SERA PRO

12 24 36 60 | MONTH



Greenhouse cover film with anti drip effect and high strength.

| | | |
|----------------|-----|-------------|
| Additives | | |
| Ultraviolet | | ✓ |
| Anti Bacterial | | ✓ |
| Anti Oxidant | | ✓ |
| Anti Fog | | ✓ |
| EVA | | ✓ |
| Thickness | | |
| 12 Months | 100 | μ Micron |
| 24 Months | 150 | |
| 36 Months | 180 | |
| 60 Months | 200 | |



TARIMSAL FİLM ÇÖZÜMLERİ
AGRICULTURAL FILM SOLUTIONS

GREENHOUSE COVERS

SERA PERFORMA
SERA PERFORMA LUX

12 24 36 60 | MONTH



Greenhouse cover film with thermal effect, anti drip effect, optimal light diffusion and high strenght.

| Additives | | |
|----------------|-----|-------------|
| Ultraviolet | | ✓ |
| Anti Bacterial | | ✓ |
| Anti Oxidant | | ✓ |
| Thermal | | ✓ |
| Light Diffuser | | ✓ |
| EVA | | ✓ |
| Anti Fog | | ✓ |
| Thickness | | |
| 12 Months | 100 | μ Micron |
| 24 Months | 150 | |
| 36 Months | 180 | |
| 60 Months | 200 | |



MAXI COVER
MAXI COVER LUX

24 36 60 | MONTH



Greenhouse cover film with better climate regulation inside, light transparency with thermal effect, anti drip and anti fog effect, anti dust effect and with high strength.

| Additives | | |
|----------------|-----|--------------------|
| Ultraviolet | | ✓ |
| Anti Bacterial | | ✓ |
| Anti Oxidant | | ✓ |
| Thermal | | ✓ |
| Light Diffuser | | ✓ |
| EVA | | ✓ |
| Anti Fog | | ✓ |
| Anti Mist | | ✓ |
| Anti Dust | | ✓ |
| Clear IR | | ✓ (Maxi Cover Lux) |
| Thickness | | |
| 24 Months | 150 | μ Micron |
| 36 Months | 180 | |
| 60 Months | 200 | |



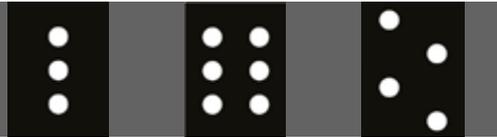
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AGRICULTURAL FILM SOLUTIONS

Mulch Films

Mulch film is covered on the soil used in the production of all kinds of vegetables and fruits. With this covering, the plant's contact with the soil is interrupted and it provides many contributions such as increase in crop quality, water saving, weed minimization, soil temperature control and soil disinfection. before planting. The durability of mulch covers should be determined according to the usage area and purpose of the cover.

| | Thickness | Guarantee |
|---------------------------|-----------|-----------|
| Transparent Mulch | 10 μ | Seasonal |
| Black Mulch | 30 μ | 12 Months |
| Super Mulch | 20 μ | 24 Months |
| Black & White Mulch | 30 μ | 12 Months |
| Black & Silver Grey Mulch | 30 μ | 12 Months |
| Semi Transparent Mulch | 30 μ | 12 Months |

Mulch Cover Film Hole Types:





Mulch Films

Transparent Mulch

Transparent Mulch lets sunlight pass through to warm the soil faster. This helps seeds sprout earlier and plants grow quicker. It also stops weeds by blocking their sunlight and keeps the soil moist. This all adds up to better crops—more yield and better quality.

Black Mulch

Black Mulch absorbs sunlight well, warming the soil quickly. This helps crops grow faster and discourages weeds by blocking their sunlight. It also keeps the soil moist and stable in temperature, which boosts plant growth and improves the harvest.

Super Mulch

Super Mulch has higher quality that provides benefits such as improved soil health, effective moisture management, superior weed control, aesthetic enhancement, durability, and eco-friendliness, making them a popular choice for gardeners and landscapers alike.

Black & White Mulch

Black and White Mulch is used to manage soil temperature: black warms it for early growth, while white cools it in hot weather. This boosts crop yields, controls weeds, and conserves soil moisture.

Black & Silver Grey Mulch

Black and Silver Grey Mulch is used to manage soil temperature: black warms it for early growth, while white cools it in hot weather. This boosts crop yields, controls weeds, and conserves soil moisture. The silver part reflects the sun less than the white color.

Semi Transparent Mulch

Semi Transparent Mulch allows sunlight to warm the soil while still blocking weeds. It helps conserve moisture and can even deter pests, promoting healthier plants and better crop yields.





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AGRICULTURAL FILM SOLUTIONS



UV

Ultraviolet

Provides protection against harmful lights of the sun.



AB

Anti Bacterial

Prevents bacteria formation.



AO

Anti Oxidant

Helps to stop oxidation.



IR

Thermal

Helps slower cooling of the greenhouse in night time, which was warmed by sun lights during day.



LD

Light Diffuser

Ensures sunlight to diffract and diffuse when entering into greenhouse.



EVA

EVA

EVA additive helps thermal feature to be more efficient and brings stronger mechanical properties.



AF

Anti Fog

Anti Fog - Anti Drip additive prevents humidity in the greenhouse to remain on the inner surface of the film as sizeable water drops.



A.MIST

Anti Mist

It is used to prevent the fogging problem caused as a side effect by the use of anti antidrip additive.



AT

Anti Dust

This additive ensures that dust, stuck on the outer surface of the plastic, can be easily removed with the help of wind and rain. Thus, light transmission of the greenhouse cover continues to be high for a long time.



CR

Chemical Resistance

The chemical resistance additive makes the agricultural plastics resistant against sulphur and chlorine.



CLEAR

Clear

Clear IR, helps it to cooldown more slowly during the night and provides optimum transparency.



COOL

Cooling Effect

Cooling effect reflects, absorbs and refracts the sunlight to prevent the internal temperature of the greenhouse form increasing in daytime



CRYSTAL

Crystal

It provides a more precise orientation of the climatic conditions in the greenhouse and high light transmittance is obtained.



AV

Antivirus

Reduces the vision and blind the direction finding sense of pests. Helps prevention of fungal diseases and viruses, increases product quality and harvesting amounts



SILAGE COVER

• It is a cover produced to protect the silage made to meet the fresh feed needs of animals in livestock and dairy farming from external factors.

| | Silage Covers |
|----------------|-----------------|
| Film Width | Up to 16 meters |
| Film Thickness | 150-200 microns |

- Silage covers used to protect silage have high mechanical strength values.
- In order to keep the silage healthy and fresh, light transmittance is 0%.
- It has a sealing feature.
- It maintains its properties during silage.
- It contains UV stabilizer and is long-lasting.

Black & White Silage Cover



Black & Green Silage Cover



Black & Yellow Silage Cover



Black & Blue Silage Cover





THERMAL SCREEN

CLASSIC ENERGY



With high heat permeability increases the productivity.

| Additives | |
|----------------|------------------|
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Thickness | min.17(μ) Micron |

THERMAL ENERGY



Thermal effect, heat barrier and gives extra energy saving.

| Additives | |
|----------------|-----------------|
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Thermal | ✓ |
| Thickness | min.17(μ)Micron |

PRO ENERGY



Together with anti drip additive gives high light transparency and helps to stop disease.

| Additives | |
|----------------|------------------|
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Thermal | ✓ |
| Thickness | min.30(μ) Micron |

PERFORMA ENERGY



Thermal effect, heat barrier and with anti drip effect. Gives extra energy saving. Helps to stop disease.

| Additives | |
|----------------|------------------|
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Thermal | ✓ |
| Anti Fog | ✓ |
| Thickness | min.30(μ) Micron |

PERFORMA ENERGY LUX



Thermal effect, heat barrier, anti drip effect. Also,gives extra energy saving and helps to stop disease.

• With Clear IR effect which gives better light transparency.

| Additives | |
|----------------|------------------|
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Thermal | ✓ |
| Anti Fog | ✓ |
| Clear IR | ✓ |
| Thickness | min.30(μ) Micron |

MAX ENERGY



Thermal effect, heat barrier and with auto-drip effect. Gives extra energy saving. Helps to stop disease.

| Additives | |
|----------------|------------------|
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Thermal | ✓ |
| Anti Fog | ✓ |
| Anti Mist | ✓ |
| Thickness | min.30(μ) Micron |

MAX ENERGY LUX



Thermal effect, heat barrier, anti drip effect. Also,gives extra energy saving and helps to stop disease.
• With Clear IR effect which gives better light transparency.

| Additives | |
|----------------|------------------|
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Thermal | ✓ |
| Anti Fog | ✓ |
| Anti Mist | ✓ |
| Clear IR | ✓ |
| Thickness | min.30(μ) Micron |





LOW TUNNEL

It is a system where the film length is determined according to customer demand, where very short plants such as watermelons and strawberries are generally grown, the skeleton material is shaped like a spring, driven into the ground at regular intervals and covered with (PE) plastic cover.

- The main purpose of this system is to preserve heat, moisture and provide early harvest.
- It is possible to harvest approximately 1 month earlier.
- Ventilation can be done by opening the covers from the sides or using perforated products upon request.
- There are seasonal and 12-month warranty periods.
- It can be produced in 20-50 microns.





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SOLARIZATION COVERS

Solarization Film

- Heat and gas barrier.
- Special formulation keeps the soil warm, up to 15 °C
- Long-Term protection against. Nematode Fusarium and weeds.
- Needed 20 kilograms for 1000 m²
- Thickness of film is 17 microns.



| Additives | |
|-------------------|--------------------|
| Ultraviolet | ✓ |
| Anti Bacterial | ✓ |
| Anti Oxidant | ✓ |
| Durability | 60 Days |
| Special Additives | ✓ |
| Area | 1200m ² |
| Usage Amount | 20kg |





BAGS

SEEDLING AND LANDSCAPE BAGS

- It is used for planting small tree seedlings, planting from seeds, planting tree seedlings and saplings.
- Vegetable, fruit and flower seedlings are grown in bags until a certain time.
- The bottoms of the bags are perforated to remove excess water.
- It has UV stabilizer additive and is durable for a long time.

| Dimensions of the Seedling Bags | | | |
|---------------------------------|-------------|-----------------------------|-----------------|
| Width x Length (cm) | Gusset (cm) | Quantity (cm ²) | Volume Piece/kg |
| 8 x 13 | 2,5 + 2,5 | 420 | 427 |
| 10 x 20 | 3 + 3 | 1020 | 188 |
| 12 x 20 | 4 + 4 | 1536 | 150 |
| 12 x 25 | 4 + 4 | 2016 | 120 |
| 15 x 25 | 5 + 5 | 3000 | 87 |
| 15 x 30 | 5 + 5 | 3750 | 72 |
| 15 x 35 | 5 + 5 | 4500 | 62 |
| 18 x 30 | 6 + 6 | 5184 | 60 |
| 18 x 35 | 6 + 6 | 6264 | 51 |
| 20 x 30 | 6,5 + 6,5 | 6110 | 50 |
| 20 x 35 | 6,5 + 6,5 | 7410 | 43 |
| 20 x 40 | 6,5 + 6,5 | 8710 | 37 |
| 25 x 35 | 8 + 8 | 10800 | 30 |
| 25 x 45 | 8 + 8 | 14800 | 23 |

ANTI-FOG BAGS

- It is used in packaging fresh fruits and vegetables.
- It is transparent, easy to open, economical and bright.

SOILLES AGRICULTURE BAGS

- These are growing bags used in soilless agriculture.
- It has UV stabilized additives and is long lasting.
- It is black on the inside and white on the outside, and its light transmittance (0%) is opaque.
- Its thickness is 100 microns.
- Production can be made according to the requested width, length, thickness and volume values.

COLLECTING BAGS

- It can be produced specially and printed according to customer demand.
- Production can be provided in desired sizes.





GEOMEMBRANE

LDPE geomembranes, crafted from tough plastic, find wide use for their robust impermeability. They're essential in landfills to prevent harmful liquids from seeping into soil, and in ponds to retain water securely. These membranes also waterproof tunnels in construction and safeguard agricultural silage pits.



- The color of geomembrane is black.
- The width is up to 16 meters.
- The thickness is up to 250 microns.

Usage Areas:

- Wastewater Treatment
- Construction Areas
- Mining Facilities
- Pond and Reservoir Liners
- Landfills



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FLAME RETARDANT PLASTIC FILM

Flame retardant films are produced by combining LDPE and flame retardant materials with co-extrusion technology.

Our film, which offers great value for use, has a B1 flame retardant class and can be produced in various widths up to 16 m.

These films are ideal to cover and protect buildings, surfaces, furnitures, and other belongings. It is a temporary protection material widely used in interior and exterior building applications.

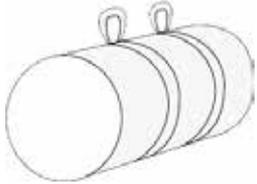




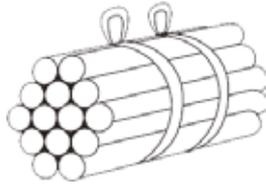
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TYPE OF SHIPMENT

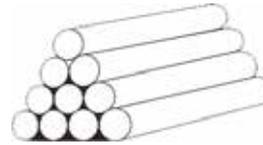
Jumbo with Rope



Small Roll with Rope



Bulk

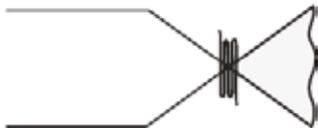


Pallet Loading

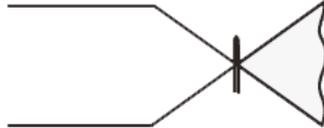


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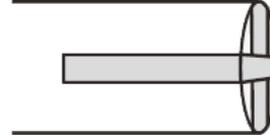
Corded



Clip



Band



Cap





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GREENHOUSE OVERLAY FOLDING TYPES



Sheet (1 S)



Foldx4 Open (4 F)



Closed Tube (2 T)



Foldx4 Closed (4 T)



Tube Open One Side (2 F)



Foldx4 Closed, One Side Open (4 F)



Foldx8 (8 F)



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1969 - 2024