



Since
1957

TO **100**
COUNTRIES
ON **5** CONTINENTS



W I T H T R U S T

“

VATAN PLASTİK has set its goal as unconditional customer satisfaction and so, it has focused on development, education and technology.

Behruz Vatandost



Since
1957

 **vatan**®

HISTORY



When Vatan Plastik was established in 1957 by Behruz VATANDOST, Turkey was just meeting with "Plastic". Carrying out manufacture with its own design machinery in an area for 25 sqm within one of the historical commercial facilities of Istanbul, Vatan Plastik determined its target:

Unconditional customer satisfaction... The road to this target was going through constant development, education and technology and Vatan Plastik foundation was laid on these essentials.

In this journey beginning with PVC pipe production, technology and innovation have brought product diversity and success. Vatan Plastik started to include PE Film, greenhouse covering and plastic products within its product range within several years. The first modern factory which continues its manufacturing with the need of a more modern facility within the process when its development continued to progress was established in 1975. While the faith in quality and customer satisfaction increased the business activity volume and product variety, in 1983 the second, in 2006 the third and in 2012 the fourth and in 2015 the fifty major facility launched their manufacturing.

Vatan Plastik is a firm which launched many new projects within its manufacturing life. It ensured the decrease the greenhouse covering thickness from 400 microns to 180 microns in 1972 and enabled the extension of the lifetime of plastic greenhouse coverings with the production of UV.

It launched a new era in greenhouse by decreasing the necessity of agrochemicals on greenhouse coverings produced at the beginning of 2000s for the first time. Another significant first-time-ever Project for Vatan Plastik is to cause polyethylene saving for thousands of tones by adding calcite to the raw material of plastics.

... And since its establishment, Vatan Plastik has been world leader of Turkish Plastics industry with production capacity for 200.000 tons annually and export activity for 100 countries in 5 continents at the point where it stands today while moving towards its targets.



OUR FIRSTS

- ▶ Vatan Plastik has launched many first-time-ever projects in its sector since its first day.
- ▶ The film thickness of greenhouse covering has been reduced to 180 micron from 400 micron in 1972 for the first time.
- ▶ It extended the lifetime of plastic greenhouse coverings by realizing UV production.
- ▶ Vatan Plastik is the first company to manufacture IR additive and thermal plastic greenhouse covering. Thanks to this production, heat and energy loss in the greenhouse have been mostly avoided.
- ▶ The most important parameter is that Vatan Plastik greenhouse product enabled the production in the greenhouse to be harvested 10 days before and realized one of the biggest services of itself for Turkish greenhousing.
- ▶ It realized another first-time-ever project with greenhouse covering at the beginning of 2000s and the usage of agrochemicals have been decreased to the minimum level.
- ▶ Our products developed have been tested and approved by Akdeniz University.
- ▶ First five layer stretch film production in Turkey was realized in 2005.
- ▶ Vatan Polymer fillers (Vatpol) which are used for filling purposes with PE, PPE and HDPE-based raw materials, can be added to the raw material up to 70%, decrease the cost and increase mechanic performance and efficiency, is suitable for food and nature-friendly were started to be produced in 2006.
- ▶ It realized prestretch production in 2010.
- ▶ Sulphur-resistant greenhouse coverings were started to be manufactured at the first months of 2012.



✓ PE Film

✓ Thin Products

Watermelon Film	UV
Solarization	UV + IR
Solarization	UV + IR
Nematod 12 Month	UV + IR
Mulch Film 12 Month	UV + AB
Mulch Film	UV
Silage Stretch	UV

✓ 12 Months Products

12 Month	UV + AB + EVA
12 Month	UV + IR + AB
12 Month	UV + IR + AB + SR
12 Month	UV + IR + AB + ANT-F

✓ 24 Months Products

24 Month	UV + AB + EVA
24 Month	UV + IR + AB + EVA + LD
24 Month	UV + IR + AB + EVA + LD + SR
24 Month	UV + IR + AB + ANT-F + EVA + LD

✓ Products of 36 Months

36 Month	UV + AB + EVA
36 Month	UV + IR + AB + EVA + LD
36 Month	UV + IR + AB + EVA + LD + SR
36 Month	UV + IR + AB + ANT-F + EVA + LD
36 Month	UV + AB + EVA + ANT-D + LD + UV BLOCK (205)
36 Month	UV + IR + AB + EVA + ANT-D + LD + UV BLOCK (504)
36 Month	UV + IR + AB + EVA + ANT-D + LD + UV UNBLOCK (black)

✓ Products of 48 Months

48 Month	UV + AB + ANT-F + EVA + UV UNBLOCK
48 Month	UV + AB + EVA + UV UNBLOCK
48 Month	UV + AB + EVA

✓ Products of 60 Months

60 Month	UV + AB
60 Month	UV + IR + AB + EVA + LD
60 Month	UV + IR + AB + EVA + LD + SR
60 Month	UV + IR + AB + ANT-F + EVA + LD



GREENHOUSE COVERINGS

Greenhouse coverings of which lifetime is long, which have high mechanic resistance, thermal and refraction characteristics will be the priority of the manufacturers all the time. Along with this presumption, it has been developing successful applications in each day with the experience it has in greenhouse covering production. According to the changing technology, working for the development of "crop-made" plastic coverings is one of the main business branches of R&D department of Vatan Plastik.

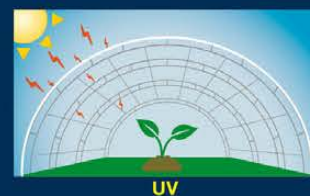
Vatan Plastics Greenhouse coverings;

- Increase the efficiency of light.
- Decrease heat loss during night and so prevent cooling.
- Ensure to provide early crops between 12 and 20 days.
- Prevent the plant to be burnt during hot and sunny weathers since it refracts the sunlight.
- Ensure sunlight to spread within the greenhouse in homogeneous way.
- Gain temperature difference between 4°C ~ 5°C.
- Prevent frost damages.
- Increase flexibility thanks to its EVA additive and so provides long-term endurance.
- Overcome the slowly growing-up problem which is caused by embowering of the close plants for each other.
- Decrease the usage of embowering materials during summer months.

ADDITIVES WE USE

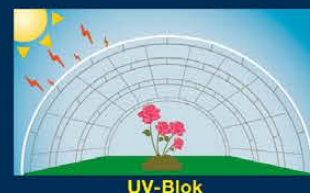
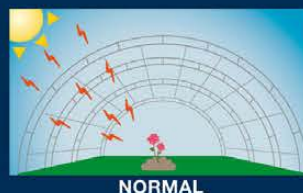
UV Ultraviolet Additive

Protects greenhouse covering and plants against the harmful sun-originated rays. It enables greenhouse covering to have long-term lifetime against the sun. It ensures the rays required by the plants to be reflected on the plants more efficiently. Thanks to the in-place advanced technology and UV additive, our greenhouse coverings have long-term endurance capacity.



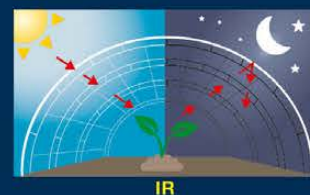
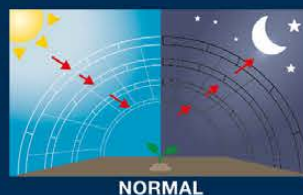
UVB Ultraviolet Additive

UV Block film is especially used in red rose growing. Colors of the flowers become more bright and fresh. The body of roses gets thin but they give more flowers. UV Block film has AV (Anti-virus) feature and viruses cannot live in places where UV rate is 0%.



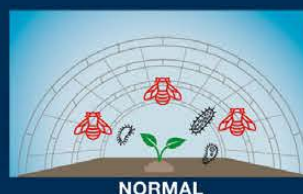
IR Infrared Thermal Additive

This additive can keep the heat. It decreases the heat loss to the minimum level by keeping the heat gathered within the greenhouse during sunny days. It enables the creation of temperature difference between +3°C and +5°C in inside and outside of the greenhouse. It prevents sudden heat decreases and helps the plants be protected against the frost damages. It enables fuel cost savings spent for heating the greenhouse. So, our farmers can harvest crops of earlier and higher quality.



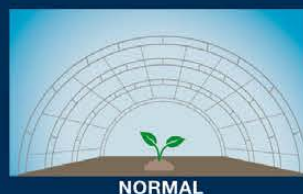
AB Antibacterial Additive

This additive limits the wavelengths of sun rays and effects on the abilities to see of white flies, aphids, trips or leave parasites, and prevents them to be reproduced and increased in the greenhouse. Therefore, spread of the viral, bacterial and fungal diseases are decreased upon the decrease in the parasites. In parallel, the amount of the agrochemical used in the greenhouse decreases.



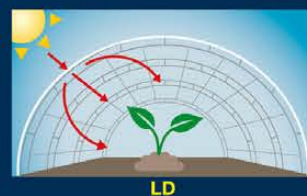
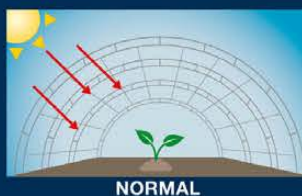
EVA Eva Additive

It provides the necessary flexibility to the greenhouse covering thanks to its soft structure. Therefore, its endurance increases against the damages to be born by the challenging weather conditions such as wind and hail. It prevents film surface to become static. It increases the capacity to keep heat by helping to ensure high light transmittance. (It increases the activity of IR additive)



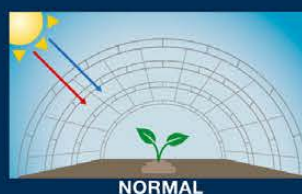
LD Light Diffuser Additive

It refracts solar rays while entering into the greenhouse like a fan and enables it to be spread into greenhouse at an equal rate. Therefore, the light which is beneficial for the plant reaches to the plant in the most effective way. It prevents the leaf burnings which are caused by excessive solar rays on the plants. It affects growing of a plant in a positive way by decreasing slow growing problem which is born by the embowering of the dense plants and so, the productivity efficiency increases.



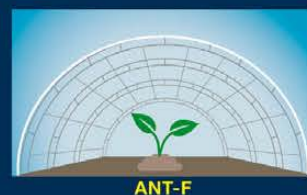
SR Sulfur-Resistant Additive

When sulfur which is used for disinfection purposes in agricultural activities gets in contact with greenhouse covering directly or by evaporation from the soil, it interacts with UV additive within the film and causes damages and the lifetime of the film decreases. It ensures long-term endurance for greenhouse plastic by using SR additive.



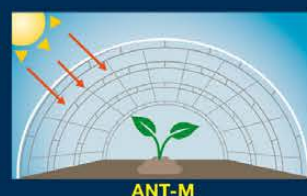
ANT-F Anti-Fog

Water within the greenhouse is kept as steam thanks to the ANTI-F additive and any water droplet does not create on the film surface. Consequently, it prevents the water dropping onto the plant and so protects it from the damage. It ensures the lights required for the photosynthesis to get in the greenhouse in a more healthy way. When this additive is used, airing during the morning hours should be paid attention.



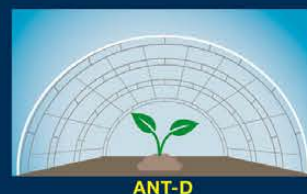
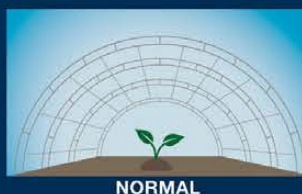
ANT-M Anti-Mist - Mist Eliminator

This additive is added to prevent the water occurrence (misting) caused by the heat changing during the rising of the sun or within the greenhouse where Anti Fog is used. Anti-Mist is recommended to be used with ANTF additive in the greenhouses of which airing system is not adequate. Misting is prevented in the greenhouse products where we use this additive.



ANT-D Anti-Dust - Dust Preventer

Dusting occurs on the greenhouse surface because of static energy. It decreases light transmittance, quality and tonnage of the crop in time. Vatan Plastics helps you to prevent dusting on the film surface with its products where it used such additives.







Solarization Film

A temperature of 70°C - 80° occurs within the greenhouse with the effect of the sun and moisture when it is organized according to the transparent plastic technical during summer. So, it is aimed to eliminate various disease elements, harmful nematodes and unfamiliar hayseeds which are harmful for the plants. This application should not be removed from the soil for 6 weeks. Usage period of solarization films is 4-6 weeks averagely, or maximum 8-10 weeks after the product is opened.

Length:	Thickness:
< 8 m	17 mu
> 8 m	25 mu

Nematode Film

PE Plastics ensures heat increase for 4°C ~ 5° C within the depth of 15 cm from the soil compared to the external environment. Nematode plastic ensures heat increase higher than 6°C ~ 7°C compared to the PE plastic. Therefore, solarization effect increases significantly. **At the same time, solarization is done in a shorter time.** It is effective against various significant fungal pathogens (such as Sclerotinia, Phytophthora, Rhizoktonia, Fusarium, etc.)

Length:	Thickness:
< 8 m	17 mu
> 8 m	25 mu



Thermal Curtain (Wire Top)

It is used as a secondary covering within the greenhouse to protect the internal heat of the greenhouse during winter or cold regions. It is laid on the bottom part of the greenhouse covering to protect the internal heat of the greenhouse. It prevents the plant from any damage caused by the excessive cold and ensures the continuance of its development. It is produced as 12 Months and 24 Months.

12 Months

UV IR AB EVA

Thickness	20~50 mu
Color	: Transparent
UV	: >40 %
LT (Light transmittance)	: >85%
LD (Light expansion)	: >10 %

24 Months

UV IR AB EVA

Thickness	40 ~ 120 mu
Color	Transparent
UV	: >40%
LT (Light transmittance)	: 90 %
LD (Light expansion)	: >10 %



Mulch Covering

Mulch films are commonly used as on-soil covering. It prevents wild plants to be grown on the cultivation sites where fruit and vegetables are efficient. It ensures the crop to be clean by preventing its direct contact with the soil. Accordingly, it prevents diseases to spread and ensures the fast development of the plant roots by controlling the soil heat at the same time.

Black Mulch Covering:

- It prevents wild plants to be grown.
- It prevent evaporation and ensures the existence of the water within the soil.
- Crop of higher quality is obtained.

Black & Silver Mulch Covering:

- It avoids bugs.
- It prevents wild plants to be grown.
- Crop of higher quality is obtained.
- It reflects the light on the plant.
- It prevent evaporation and ensures the existence of the water within the soil.

Black & White Mulch Covering:

- It prevents wild plants to be grown.
- Crop of higher quality is obtained.
- It reflects the light on the plant.
- It prevent evaporation and ensures the existence of the water within the soil.

Vegetable Bag

Vegetable bags are produced in thickness of 20-50 microns in transparent color and with holes and as reinforced (antifog) **ANT-F** upon demand. It is used during the packaging of vegetables (cucumber, carrot, egg- plant) and fruits such as banana before the shipment.



SILAGE STRETCH

It is used to make pickled feed in stock farming. It ensures 70% of saving out of the feed expenses bearing cost in stock farming. Since it is UV-reinforced, its usage duration is pretty long. It is produced by 5-layer-cast technology. It is air and moisture resistant. It is UV protective for all seasons. Waterproof plastic core is used.

Width : 50 cm - 75 cm
 Thickness : 22 mu - 25 mu
 Length : min. 1500 m



Silage Covering

They are elastic and endurable films which can be produced in black or black and green colors. It is used for feeds to endure for a long time without being exposed to sun lights in the facilities where silage silos are realized as mass. It can be produced as reinforced for **UV** 12, 24 or 36 months.



Film for Bulk Transportation and Flexitank

Width : max: 12m
Thickness : 125 μ m
Length : 100 m ~ 900 m

It is produced in different sizes according to customer demand. Flexitank films are used to transport both solid and liquid products. Flexitank films have high impact resistance.

100% Recyclable 

Flexitank usage advantages

- More capacity
- Faster loading and unloading
- Better protection
- Excellent adaptability

SHRINK FILM

Vatan Plastik Shrink Film products are easily used in all products which can be packaged. Our Shrink film products are the first preference of all users by providing various alternatives apart from being ideal and economic. Our Shrink films are presented to the service by being applied with heat treatment.



According to the request of the customer, production can be made by using a min. of 30% recycled content.



PE Shrink Film

- Width : 30 cm ~ 340 cm
- Thickness (micron) : 25 mu ~ 200 mu
- LDPE
- Anti-Static
- Transparent and Bright
- Color and printed production is available.



PE Shrink Hood

- Width : 60 cm ~ 210 cm
- Thickness : 25 mu ~ 220 mu
- Gusset : 5 cm ~ 70 cm
- Length : 30 cm ~ upon demand
- Additives : UV, Slip, Antiblok
- Color and printed production is available.
- POR or SWS



PE Pallet Hood

- Width : 60 cm ~ 210 cm
- Thickness : 25 mu ~ 220 mu
- Gusset : 5 cm ~ 70 cm
- Additives : UV, Slip, Antiblok
- Color and printed production is available.
- Used in automatic packaging machines.
- POR or LOOSE



PE Pallet Film

- Width : 30 cm ~ 340 cm
- Thickness : 25 mu ~ 220 mu
- Additives : UV, Slip
- Color and printed production is available.
- POR or LOOSE

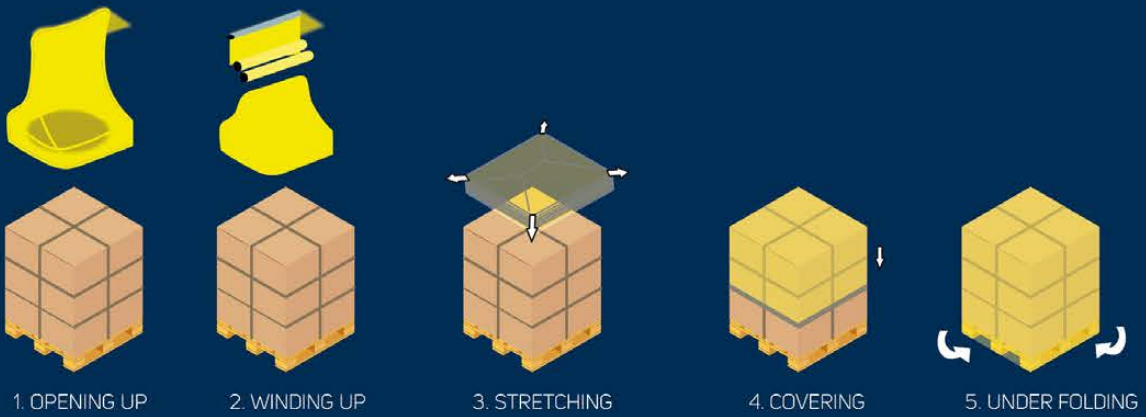


PE Film (Mattress)

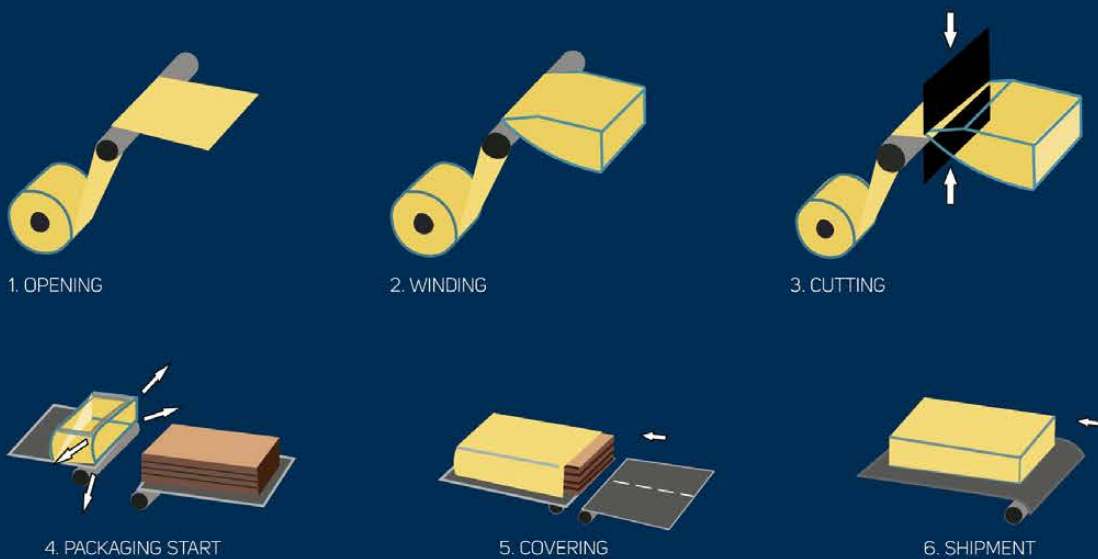
- Width : 80 cm ~ 340 cm
- Thickness : 25 mu ~ 220 mu
- Additives : Anti-blok, Slip
- Color and printed production is available.
- Transparent and bright
- Suitable for heat treat

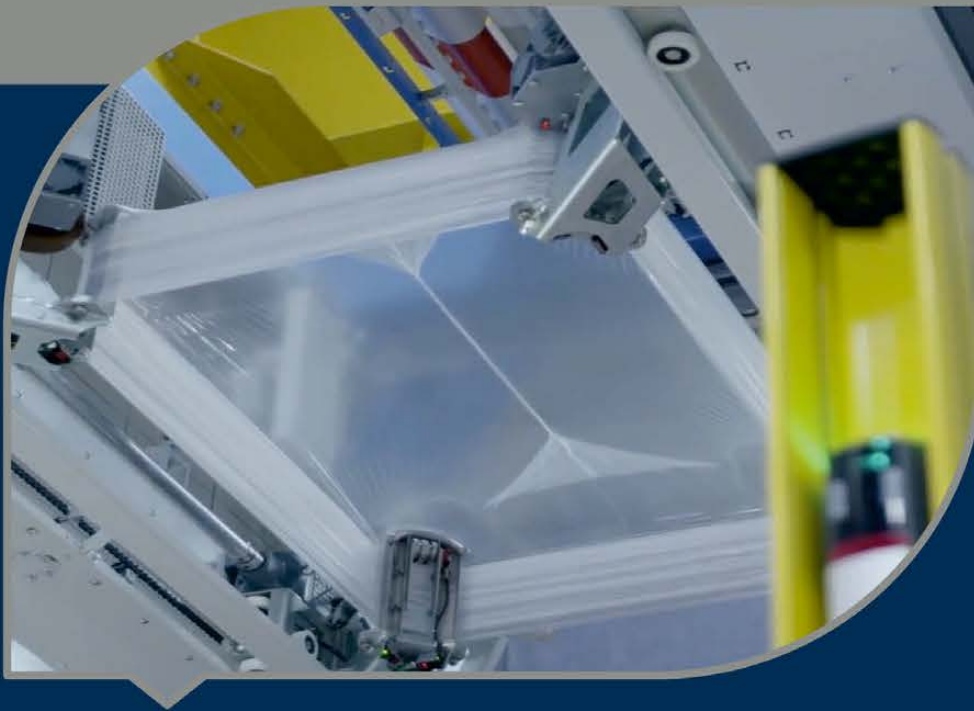
STRETCH HOOD

Vertical Packaging



Horizontal Packaging





It is a flexible packaging type used in a wide variety of fields. Thanks to its flexible structure, it is used by stretching in fully automatic machines and takes form of the pallet to be packaged and holds the product inside tightly.

Thanks to its high holding force, tear and puncture resistance, it provides load safety throughout the entire logistics chain from loading, unloading and up to the customer.

Stretch Hood Advantages

- Advanced product protection
- Safety transport thank to high elasticity with maximum stability
- High holding force, tear and puncture resistance
- High energy efficiency thanks to heat-free application
- Also suitable for heat-sensitive, sharp-edged, and irregularly shaped goods
- Suitable for outdoor storage
- UV protection (optional)
- Dyeing and printing in the brand design (optional)
- Hole punching (optional)
- Use of recycled content (optional)
- %100 Recyclable



Film width	: 60 cm - 210 cm
Gusset width	: 5 cm - 70 cm
Thickness	: 40 mu - 200 mu - Single Layer
Core	: 76 mm / PLASTIC
Options	: Color, Print, UV, Additives



According to the request of the customer, production can be made by using a min. of 30% recycled content.



STRETCH FILM

Vatan Stretch films produced with advanced technology keep your products safe and integrated in transportation or storage and it protects them against various external factors such as dirt, dust, impact, etc. Production phases are full automatic. We have products in different width, length and color depending on your needs. Poly-ethylene pallet stretch protects your products against damages, moisture and rain to be born during storage or transportation. It wraps your products properly with its coefficient of elongation and resistance characteristics and decreases the cost for being lightweight. All of our products are 100% recyclable.

- Manuel or Automatic
- 5-Layer LLDPE film
- Single or double layer
- Endurable against impact and tearing



MANUEL STRETCH FILM

- Width cm : 25 cm ~ 50 cm
- Thickness (micron) : 9 mu ~ 46 mu
- Length (Meter) : 200 m ~ 300 m

OPTIONS

Colour (Depending on min. order quantity.)
 Inside cling / Standart
 Outside slippery
 Extra tacky / Cling

AUTOMATIC STRETCH FILM

- | | |
|----------------|----------------|
| Standart | 150% cast film |
| Automatic plus | 180% cast film |
| Power | 200% cast film |
| Propower | 250% cast film |
| Super power | 300% cast film |

- Width (cm) : 25 cm ~ 150 cm
- Thickness (micron) : 12 mu ~ 46 mu
- Length (meter) : 1000 m ~ 2100 m

MANUEL VPF FILM

Although the product is a thin film, it provides strong resistance thanks to its double edge.

- Width cm : 40 cm ~ 50 cm
- Thickness (micron) : 10 mu
- Length (Meter) : 100 m ~ 300 m

PRESTRETCH FILM

- Width cm : 38 cm ~ 40 cm ~ 43 cm
 - Thickness (micron) : 7 mu ~ 12 mu
 - Length (Meter)
- | | |
|-----------------------|-------------------|
| -Prestretch Manuel | : 100 m ~ 900 m |
| -Prestretch Automatic | : 900 m ~ 3000 m |
| -Prestretch Jumbo | : 3000 m ~ 6000 m |

MINI ROLL (MANUAL/AUTOMATIC)

- Width cm : 10 cm ~ 25 cm
- Thickness (micron) : 15 mu ~ 25 mu
- Length (Meter) : 100 m ~ 300 m

JUMBO PALLET STRETCH FILM

- Width cm : 40 cm ~ 50 cm
- Thickness (micron) : 12 mu ~ 46 mu
- Length (Meter) : 5000 m ~ 7200 m

The Tolerances of the film; Thickness: $\pm 3\%$, width $\pm 1\text{mm}$, length $\pm 2\text{m}$



FOOD STRETCH FILM

- Polyethylene Food Stretch Film ensures that your foods retain their flavor and freshness and protects them from moisture.
- It helps fruits and vegetables to keep their vitamins and flavors fresh.
- There is no carcinogenic substance in Polyethylene Food Stretch Film, which has no harm in contact with food, especially in terms of hygiene and health.
- We can supply as jumbo rolls, you can wind in desired meters.



Thickness (mc) : 8 - 9 - 10 - 12
Width (cm) : 30 cm - 45 cm
Length (mt) : 300 mt - 1000 mt - 1500 mt - 7500 mt





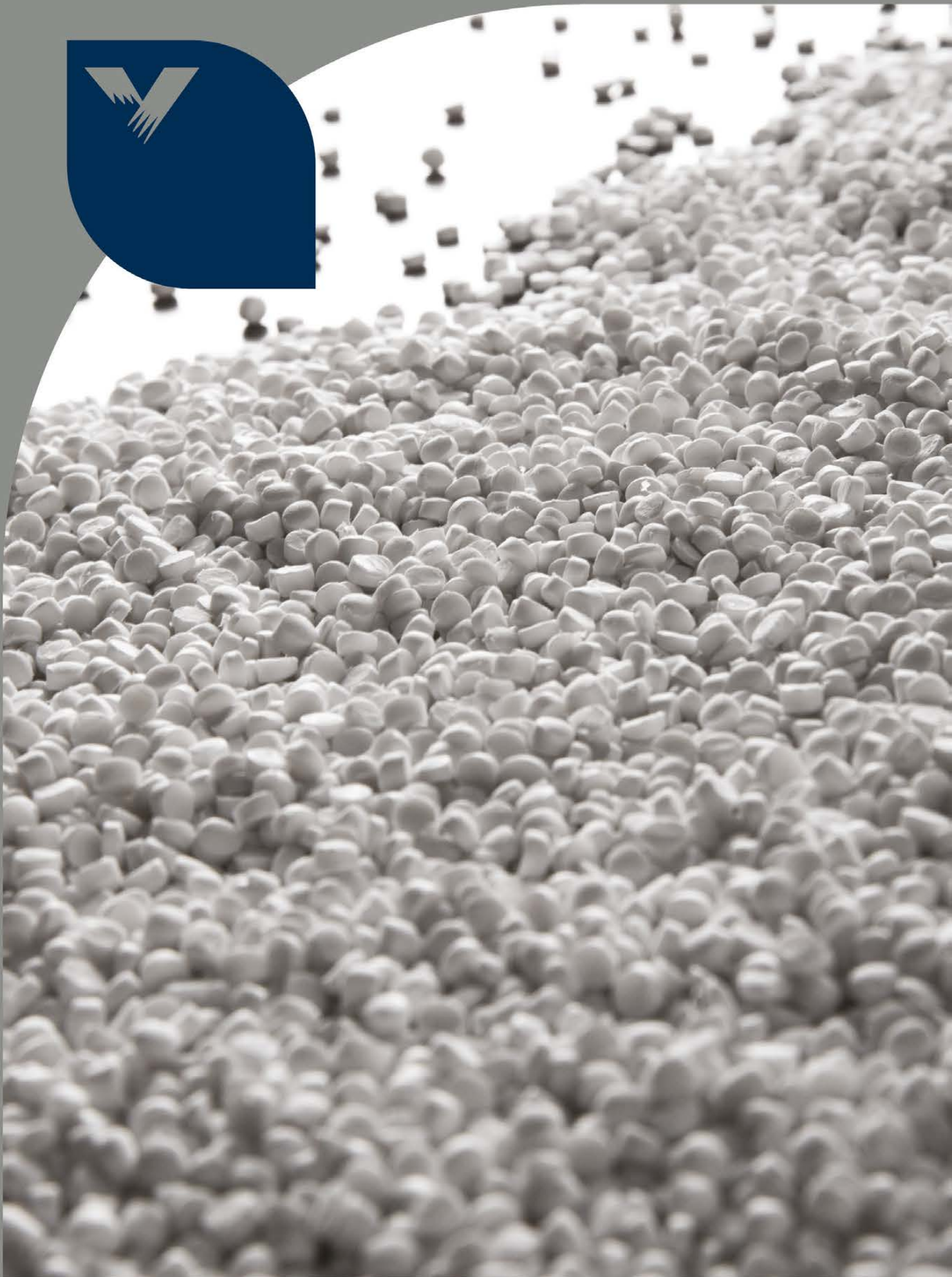
RECYCLED STRETCH FILM

As a step in Vatan Plastik's development of sustainable products, stretch film with recycled granules (PCW) had been launched. Vatan Plastik manual stretch, automatic stretch have min. 30% Recycled content (- min. 30% PCR - Post - Consumer Recycled Material). The use of higher recycled content is being used based on customer demand.

To meet the further needs of a circular society, Vatan Plastik develops products based on recycled materials. The plastic used in Vatan Plastik is not a waste, it is a resource that will be used again and again.

Our 3 factories have recycling licenses. We can recycle either own products or scraps that we purchase from other suppliers of recycled material in these facilities, so we do not have a problem of supplying recycled raw materials.







POLYMER FILLERS

Vatan polymer fillers (Vatpol) are used for filling purposes with P.E.P.P and HDPE-based raw materials. Transporter might be LDPE or LLDPE.

Properties:

- Raw material for 5% - 50% is added upon the customer demand.
- It decreases the cost
- It increases mechanical performance
- It increases efficiency.
- Cold be produced requested colors.
- Production with optic might be realized upon demand.

Applications:

- Inflatable film
- Breathable (Nefes alabilen) film
- Backsheet film
- Film
- Spunbond Nonwoven
- Extrusion
- Pouch
- Bag
- Sack (PP Bags)
- Layer film
- Injection
- Inflatable Form
- Termaform
- Plastic Glasses
- Single use, plastic fork, spoon, knife and plates
- Raffia

Code	Transporter	Concentration / Color	Filler Type	MFI min (g/10 min)	MFI max (g/10 min)	Min Density	Max Density
PE VATPOL 190 FPE	LLDPE	50% - Natural	CaCO ₃	0,00	1,00	1,30	2,00
PE VATPOL 200 FPE	LDPE / LLDPE	60% - Natural	CaCO ₃	0,40	1,40	1,48	1,52
PE VATPOL 204 FPE	LDPE / LLDPE	70% - Natural	CaCO ₃	0,20	0,90	1,68	1,72
PE VATPOL 202 FPE	LDPE / LLDPE	72% - Natural	CaCO ₃	0,20	0,90	1,74	1,80
PE VATPOL 202 FPE	LDPE / LLDPE	72% - Optic Natural	CaCO ₃	0,20	0,90	1,74	1,80
PE VATPOL 201 FPE	LDPE / LLDPE	75% - Natural	CaCO ₃	1,00	4,00	1,85	1,91
PE VATPOL 210 FPE	LLDPE	80% - Natural	CaCO ₃	0,00	2,00	1,95	2,01
PE VATPOL 211 FPE	LLDPE	82% - Natural	CaCO ₃	0,00	2,00	1,95	2,02
PE VATPOL 213 FPE	LLDPE	83% - Natural	CaCO ₃	0,00	0,90	2,10	2,18
PE VATPOL 305 FPE	LDPE / LLDPE	70% - White	CaCO ₃	0,30	0,60	1,75	1,80
PE VATPOL 210 FPE	LLDPE	80% - White	CaCO ₃	0,00	2,00	1,95	2,01
PE VATPOL 190	PP	50% - Calcite	CaCO ₃	5,00	7,00	1,41	
PE VATPOL 200	PP	60% - Calcite	CaCO ₃	2,50	4,00	1,50	
PE VATPOL 402	PP	70% - Calcite	CaCO ₃	3,00	6,00	1,80	1,86
PE VATPOL 401	PP	75% - Calcite	CaCO ₃	2,00	5,00	1,82	1,88
PE VATPOL 210	PP	80% - Calcite	CaCO ₃	0,00	2,00	1,95	2,01





ENGINEERING PLASTICS

Mineral-Reinforced Polymer

Depending on the usage place and purpose such as white appliances, automotive, garden furniture, furniture decoration parts, it is produced in demanded colors by using Talk-Calcite-Barite minerals in the rates of 2% - 60%.

Polyamide

They are abrasion resistant polymers including high resistance and hardness in high temperatures and long-term applications. It has high dielectric characteristics. It provides resistant against inflammation and can keep the moisture. They are highly preferential in automotive applications since they provide high resistance against chemical oil, fuel and aromatized materials

Polymer Components

It is prepared by mixing different polymers in different rates according to usage place and purpose.

PP+EPD, PA+ELASTOMER, PC+ABS, PP+HDPE+EPDM

Glass fiber- Reinforced Polypropylene

It is produced from polypropylene component including glass fiber in rates of 5%-30% for the heat resistant polypropylene usage in textile and automotive.

Flame Retardant Polypropylene & Anti-shock

It is produced out of V0-V1-V2 inflammatory components according to the UL-94 standards for the products such as electrical household appliances, electrical installation materials, television, computer, etc.







ADDITIVES

PE & PP Slip Concentrates

It is used as internal and external slider in polyolefin. It ensures film surfaces to slide on each other and facilitates the opening of the layers. It provides operation opportunity in much lower temperatures with much higher efficiency thanks to its internal slider characteristics.

PE & PP Anti-Static Concentrates

While carrying out production in polyolefins, static electric is gathered on the plastic product. Therefore, product gather excessive amount of dust. Such products used in automatic packaging machinery causes damage because of static electricity. Anti-static concentrated usage prevents the occurrence of static electric on the plastic product.

PE & PP Anti-Block Concentrates

Anti-Block concentrate usage enables air to flow around the film layers easily. It prevents the layer from sticking to each other. It helps films to be ordered in high speed.

Ultraviolet Concentrates

It is a product in the polymer chain protecting against the harmful sun lights. It prolongs the usage lifetime of the plastic materials exposed to sun for long time and protects their color against being faded away.

White Color Concentrates

It is used as colorant in any plastic material production. Hiding capacity, color fastness are high and distribution in the polymer is homogeneous and easy. Usage rate is specified as depending on the demanded hiding capacity.

Dehumidifying Compound

It is used as dehumidifying and gas-eliminator. It ensures the prevention of the air which might occur in the films during the bag production produced by using calcite. It eliminates air problem in recycling granule production and applications where such granules are used.

Process Helper

(Processing aid masterbatch) During the extrusion process, It enables proper flow of the polymers and secondary materials within the machinery. It prevents machinery equipment to rub and become abraded. It prevents burning during the extrusion and prevents herringbone appearance on film extrusion.



PLASTICIZERS

Vatan Plastics has been providing service for a long period to chemistry industry with high performance products which we have developed in our chemistry department. DOTP-based V200 Phthalate Free Plasticizers produced by advanced technology in our chemistry factory has been used by cable, artificial leather, granule, hose, membrane filter and similar PVC producers since 2011. Even though it is used less commonly compared to the other plasticizers, pre and post aging expansion and breaking strength figures are significantly high. With its usage up to 15% in productions apart from TTR type cable in cable sector, it bears perfect results in all tests. In each expansion, breaking, aging and step tests in each type of production in artificial leather sector, it bears high performance compared to DOP, DINP and other DOTPs. Advanced wetting characteristic can be observed in productions where small amount of plasticizers are used such as skin plate especially.

- V200 Phthalate Free (DOTP-Based Plasticizer)
- V150 Phthalate Free (Yellow)
- DOP (Dioctyl Phthalate)
- DOP (Di Iso Nonyl Phthalate)

V200 Phthalate Free (DOTP-Based Plasticizer)

It is used in cable, artificial leather, PVC flooring, footbed, plastic ball, PVC door-window piping production and by PVC granule producers. Such chemicals called as plasticizers are used in finishing PVC, rubbery and other various thermoplastic materials and facilitating the flow and ordering the flow mechanics.

V150 Phthalate Free (Yellow)

DOTP V150 in yellow/brown colors developed as the result of the scientific researches conducted since 2015 in Vatan Plastics Chemistry Department are coming to the forefront with its significant cost advantage. Therefore, it replaces transparent DOTP in pigment-reinforced production processes where (water color) transparent final product is not realized in each day. Apart from its color, it is strongly preferred because its all technical and physical values are exactly same with the transparent DOTP. All scientific researches conducted and data obtained have revealed that Vatan Plastics is the most right solution and most economical raw material for the cable, artificial leather, granule, film, hose, membrane filter and similar PVC producers.

D.O.P (Dioctyl Phthalate)

It is commonly used by the PVC producers producing cable, artificial leather, granule, film, hose, membrane filter, etc. It is recommended to be used in cellulose acetate-butyrate, ethyl cellulose, natural and synthetic rubber, thin film production, covering the textile goods, packaging materials, adhesives, protective and hot coverings.

M.Net	390
Density	0.983 g/ml - 0.985 g/ml
Refraction Index	1,485
R. Point	230°C
Viscosity 25°C	79 cps - 82 cps
Color	Max 15 APHA
Esterification	%99
Moisture	%0,1
Odour	Exclusive and soft
Cas No	117-81-7



PLASTIC CORES

Plastic cores are the where plastic products such as stretch films, greenhouse coverings, mulch films, etc. are wrapped. It is called as spool rack as well. When the paper-based bobbins get wet, roll ends are caused harm and the product which has been wrapped on it causes reduction. Plastic bobbins which we use in Vatan Plastics prevents such negative outcomes.

- ✔ They are water and moisture resistant. So, they ensure the material wrapped on themselves to be fully used.
- ✔ Negative impacts such as rustiness and rotting are not observed in plastic cores.
- ✔ They are strongly enduring against the impacts and even if they get impact, they can maintain their functions properly.
- ✔ They can be recycled easily and processed and reused in plastic production.



Wall Thic	Int. Dia.	Ext. Dia.	Length	Color
2 mm	53 mm	57 mm	Optional	Optional
3 mm	45 mm	51 mm	Optional	Optional
4 mm	51 mm	59 mm	Optional	Optional
4 mm	55 mm	63 mm	Optional	Optional
4 mm	68 mm	76 mm	Optional	Optional
5 mm	51 mm	61 mm	Optional	Optional
5 mm	76,8 mm	86,8 mm	Optional	Optional
8 mm	76,8 mm	92,8 mm	Optional	Optional
10 mm	76,8 mm	96,8 mm	Optional	Optional
12 mm	76,8 mm	100,8 mm	Optional	Optional
14 mm	76,8 mm	104,8 mm	Optional	Optional
16 mm	76,8 mm	108,8 mm	Optional	Optional

- Internal diameter, external diameter and wall thickness might vary upon the customer demand.
- Fully recyclable materials are used in the production.
- Max. External Diameter 110 mm



GARBAGE BAG

- HDPE/LDPE/MDPE or recycling
- Production and color upon demand
- Slippery external surface
- Bobbin
- Width: 40 ~ 110 cm
- Thickness: 25 microns ~ 200 microns

Standard Sizes

Small	: 40 cm x 50 cm
Medium	: 55 cm x 60 cm
Large	: 65 cm x 80 cm
Jumbo	: 75 cm x 90 cm
Jumbo	: 80 cm x 110 cm

It can be produced in demanded sizes

▼ Industrial Garbage Bag

- Roll
- Cast
- It is produced in each size.

▼ HDPE House Garbage Bag

- Roll
- Cast
- It is produced in each size.

▼ Heavy Debris Bag

- Roll
- Cast
- It is produced in each size.

▼ Medical Waste Bag

It is produced as 1st class or out of granule for hospital or laboratory usages.

- It is produced in each size upon demand.
- Only in red.
- Only black print





vatan 1



İSTANBUL / KARTAL

vatan 2



İSTANBUL / KARTAL

vatan 3



İSTANBUL / ÇEKMEKÖY

vatan 4



İSTANBUL / TUZLA

vatan 5



BİLECİK

Head Office (Vatan 1)

Orta Mahalle Soğanlık D-100 Kuzey Yanyol Cad.
No: 8 34880 Kartal / İSTANBUL
T: +90 (216) 377 22 80 (6 Hat)
F: +90 (216) 377 22 86 - +90 (216) 377 74 79
E: export@vatanplastik.com
E: vatan@vatanplastik.com

Kartal Factory (Vatan 2)

Cumhuriyet Mahallesi Yüzyıl Caddesi
No:87 Kartal / İSTANBUL
T:+90 (216) 377 10 83 (4 Hat)
F:+90 (216) 377 01 10
E: vatan2@vatanplastik.com

Ömerli Factory (Vatan 3)

Hüseyinli Mahallesi Beykoz Caddesi
No:135 Çekmeköy / İSTANBUL
T:+90 (216) 434 63 96
F: +90 (216) 434 63 95
E: vatan3@vatanplastik.com

Tuzla Factory (Vatan 4)

Tepeören Mahallesi
Ankara Asfaltı Caddesi No: 242/B
Tuzla / İSTANBUL
T:+90 (216) 593 12 85
F:+90 (216) 593 12 87
E: vatan4@vatanplastik.com

Bilecik Factory (Vatan 5)

Selimiye Organize Sanayi Bölgesi
No:14 Osmaneli / BİLECİK
T:+90 (228) 469 20 12
F:+90 (228) 469 20 13
E: vatan5@vatanplastik.com

Antalya Office (Vatan 6)

Çaybaşı Mh. Dr. Burhanettin Onat Cad.
1356 Sk. 2 Murat Apt. Kat:2 No:6
Muratpaşa / ANTALYA
T:+90 (242) 321 17 49-50
F:+90 (242) 321 17 49-50
E: vatanantalya@vatanplastik.com



www.vatanplastik.com