



Innovate multi-layered  
polyethylene films

**Right Covering  
Solution**  
for your greenhouses

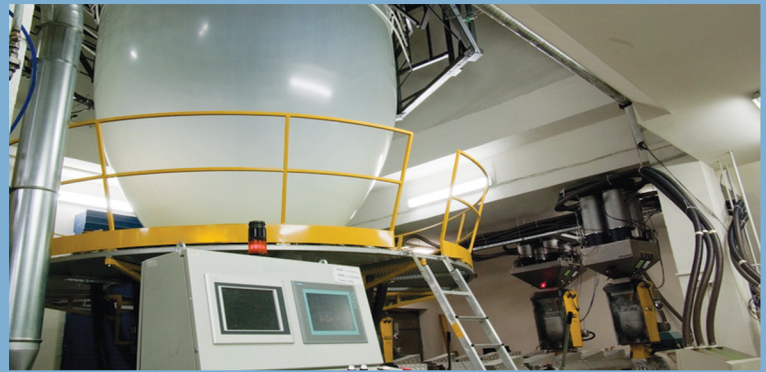




## About Persian Poushesh Polymer

Persian Poushesh Polymer is a manufacturer of a wide range of multi-layer polyethylene films, supplying to the agriculture and horticulture industries since 2011.

All our products are designed and produced using extensive research & experience in plastics technology, expert technical knowledge, advanced technology and equipment, and the finest raw materials.



By entering into partnerships with reputable international companies to supply its need for masterbatches and other plastic additives, Persian Poushesh Polymer is able to offer outstanding quality at reasonable prices to improve the satisfaction of its customers.

Our multi-layer films are tailored by our experts to fit customer needs, climate conditions, and crops. Coming with after-sales service, they're ready to serve the horticulture and agriculture industries.

By manufacturing high-quality greenhouse films, Persian Poushesh Polymer has taken an influential step in Iranian international-level nation branding and toward ending Iran's economic dependence on other countries.

Commitment to quality, using modern technologies, competitive pricing, flexibility, and answering customer needs sum up our principles in supporting agriculture businesses.



**Technological Expertise**





- ✓ The Iranian national standard certification for the production of "multi-layered polyethylene films " for the first time in Iran.
- ✓ National accreditation center of iran (NACI) ISO/IEC 17025 Certification.
- ✓ Certificate : ISO 9001-2015 «Quality Management System»
- ✓ Standard : 13206:2017 «Three-Layer Polyethylene films»
- ✓ The Iranian national standard certification : «Consumer protection rights»



**Customer Service**



**Agronomic Know-How**



**Quality Assurance**





### Products Table

Property	3% Anti-UV Masterbatch	5% Anti-UV Masterbatch	8% Anti-UV Masterbatch	10% Anti-UV Masterbatch
Thickness	180-200 micron	220 micron	220 micron	220 micron
Width	8-10-12 meters	8-10-12 meters	8-10-12 meters	8-10-12 meters
Length	50 meters	50 meters	50 meters	50 meters
Color	Green	Transparent	Transparent	Transparent
EVA additive	✗	✓	✓	✓
Anti Virus additive	✗	✓	✓	✓
IR additive	✗	✗	✓	✓
Anti Drip additive	✗	✗	✓	✓
Guaranty & Services	✗	18 Months	24 Months	30 Months



### Technical Specifications

Specifications	Unit	non-thermal(NTh)					thermal clear(ThC)					thermal diffusing (ThD)				
		Typical values					Typical values					Typical values				
Thickness	Micron	≥25	≥60	≥100	≥150	≥200	≥25	≥60	≥100	≥150	≥200	≥25	≥60	≥100	≥150	≥200
Width	Meter	3-12					3-12					3-12				
Length	Meter	According to the order (standard 50 meters)					According to the order (standard 50 meters)					According to the order (standard 50 meters)				
Tensile strength at break	Mega Pascal	≥19					≥20					≥20				
Elongation at break	Percent	≥250	≥300	≥350	≥400	≥450	≥200	≥220	≥350	≥400	≥500	≥200	≥220	≥350	≥400	≥500
Flat area impact resistance	Gram	≥100	≥150	≥300	≥350	≥450	≥100	≥160	≥300	≥400	≥500	≥100	≥160	≥300	≥400	≥500
Impact resistance of the folded area	Gram	≥75	≥100	≥150	≥200	≥250	≥75	≥110	≥200	≥250	≥350	≥75	≥110	≥200	≥250	≥350
Elongation under constant load	Percent	-					≤30					≤30				
Light transmission in PAR	Percent	≥90	≥88	≥88	≥85	≥85	≥88	≥85	≥85	≥80	≥80	≥88	≥85	≥85	≥80	≥80
Haze	Percent	-					≤30	≤30	≤30	≤35	≤35	≥30	≥30	≥30	≥35	≥35
color	-	According to the order					According to the order					According to the order				
Additives	-	-					According to the order					According to the order				





### Warranty

"Persian Poushesh Polymer" films are manufactured with state of the art Multi Layer equipment and are submitted to rigorous quality controls according to ISO 9001:2008 requirements, to make sure that any product delivered to customers conforms to its specifications.

**%0.00**

Don't worry, We have you covered...  
Best warranty in this industry

"Persian Poushesh Polymer" greenhouse cover films are guaranteed for several seasons (from 1 to 5 years), depending on each case and location.



### After sale Services

The sale and delivering the best product is not the completion of our company's services but it is also the beginning of a long term cooperation in order to achieve the customer's satisfaction & confidence by giving an optimum technical support according to probable interfering issues. Persian Poushesh Polymer will provide you with technical support & recommendation in regular intervals.

**%100**

We endeavor to customer support and assistance to ensure the best possible results

Our knowledge of Greenhouse markets, service capacity and logistic development means we can offer the most advanced solutions in agricultural plastics and continue contributing to more sustainable and profitable crops.



### Pre-Sales Consultant

Persian Poushesh Company provides you with the guidance of expert counselors to help you choose the most compatible covers according to geographical location, greenhouse, harvested products and plant pesticides for your greenhouse.

**%99.99**

You Have More Control Over Success Than You Might Believe

We pride ourselves on finding the perfect match between a Persian Poushesh solution & Our customer's needs, crops, climate and terrain conditions and then continue to ensure remarkable results with on going support and assistance.



We sincerely invite you to search and explore our products. We pride ourselves on finding the perfect match between a our solution and our customer's needs, crops, climate and terrain conditions and then continue to ensure remarkable results with ongoing support and assistance.





### Light Diffusion

The light diffusion feature improves photosynthesis efficiency by enhancing the exposure of different plant parts to visible light. This is especially important in model crops with a developed foliage such as tomatoes, cucumbers, zucchini, pepper, roses and more. Special additives are used in the cover films to promote light dispersion, and cause with minimal reduction to the light entering the greenhouse. In addition to improving photosynthesis efficiency, Light Diffusion cover films also help to reduce damage caused by direct sunlight to sensitive crops such as peppers and eggplants, and prevent burns.



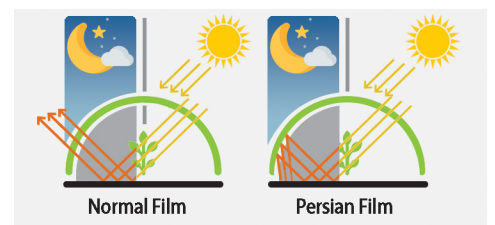
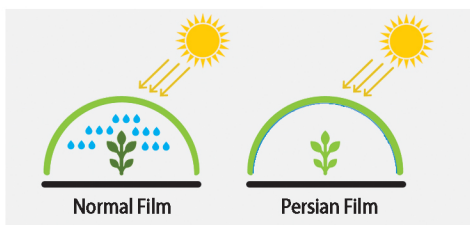
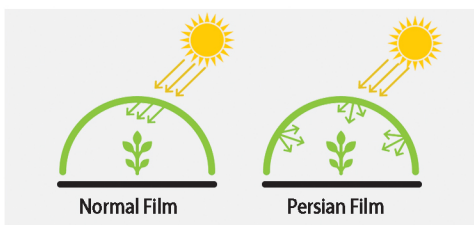
### Anti-Drip effect

Droplets formed at the inside surface of greenhouse films due to water-condensation have negative consequences on plant quality and growth, as they reduce light-transmission by 15-30% and increase the incidence of certain diseases. Persian Poushesh is manufacturing "anti-dripping" films that contain special additives which eliminate droplets and form instead a continuous thin layer of water running down the sides. Anti-dripping films, when used properly, offer the following benefits: More light in the greenhouse, Higher crop yield, Earlier harvesting, Better quality of crop, higher commercial value, Fewer diseases, Reduced need for pesticides.



### Thermal Effect

offers special thermic films, containing a combination of EVA and Infra-Red additives skilfully structured in the layers of the films, which absorb the Infra-Red radiation and reduce heat losses during the night. The advantages of thermic films are : Protection from frost and low temperature. Smoother temperature drop and higher night temperatures overall. Reduced energy consumption for heating. Higher crop yield. Earlier harvesting. Better quality of crops.





# Main Greenhouse Cover Features



## Packing Properties

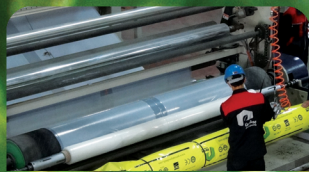


■ The applied Packing is an anti-light multi layered one which can increase the durability and maintenance quality of covers during store and transportation level.

A one layer bumper foam is also included in the package to prevent the products from damaging while transportation. Our stabilization package, which incorporates multiple materials, gives the cover films long-term durability – even in the most severe environmental conditions.

■ Product Information to display on labels of packaging.

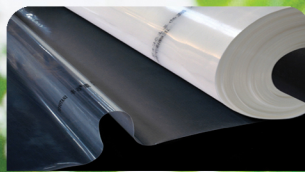
■ Guidelines and Best Practices for the Installation and Maintenance.



## Dimensional Properties



Multi-layered Persian films with 2.5 to 12 meter width and 30 to 300 micron thickness are produced according to the customer requirement & presented to the market without any length limitation. (standard length is 50 meter)



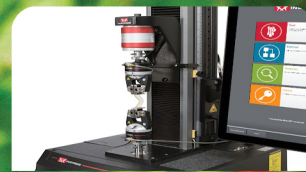
## Chemical & optical



Optical properties will be evaluated by haziness, transparency and gloss. Transparency indicates the amount of light transferring through the film.

Chemical properties indicate chemical resistance against external factors such as pesticides, fertilizers, supplements, environmental pollutants, moisture and also the effect of these parameters on anti-uv stabilizer's function.

Chemical properties indicate chemical resistance against external factors such as pesticides, fertilizers, supplements, environmental pollutants, moisture and also the effect of these parameters on anti-uv stabilizer's function.



## Mechanical Properties



■ **Tensile Strength:** Represents the film strength and behavior in terms of stretching tensile like the elongation percentage of film in traction.

■ **Tear strength:** indicates the strength of film against initiation and propagation of rupture of covers.

■ **Impact strength:** indicates the mechanical resistance against sudden implementation of a mechanical impact such as hail stone.

■ **Creep resistance:** this important property indicates the amount of deformation and film thickness changes during static mechanical tension.



## A unique Greenhouse

Your needs are unique, our solutions are custom designed to meet your needs.



## Photo Selective

We offers a range of special films incorporating selected additives and pigments to modify the light spectrum entering the greenhouse, thus changing the growth behavior of plants (photosynthesis and photomorphogenesis).

Preparing specific greenhouse films, there is a functionality used to transmit a determined wave length to protect the product from a series of solar radiations to accelerate the growth and increase the product quality. For instance using this technique in greenhouse that are growing roses can increase the production output, uniformity and quality of their colors considering different varieties.



## Disease control effect

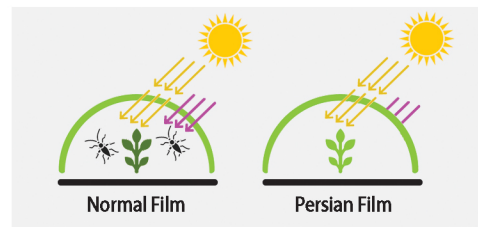
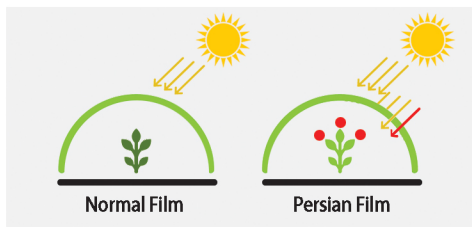
Additives are used to significantly reduce the damage caused and viral diseases transmitted to the plants by various insect pests.

This also significantly reduces the proliferation of foliage diseases, especially botrytis, as well as the "blackening" of red rose petals.

As a result, the use of fungicides and pesticides can also be significantly reduced.

In addition, by absorbing the UV radiation, our cover films also reduce contact with various pests, viral diseases transmitted by those pests, and the "blackening" of the petals of red roses.

**Persian**  
Poushesh Polymer







Contact Us :

-  +98 35 35246130-1
-  +98 35 35250735
-  [t.me/persian\\_poushesh99](https://t.me/persian_poushesh99)
-  [instagram.com/persianpoushesh](https://www.instagram.com/persianpoushesh)
-  [www.persianpoushesh.com](http://www.persianpoushesh.com)
-  [info@persianpoushesh.com](mailto:info@persianpoushesh.com)



**Address :**

Postal code : 8918777175 | 4th Kiloometer  
Toos street | Jomhoori Blvd | Yazd | Iran

