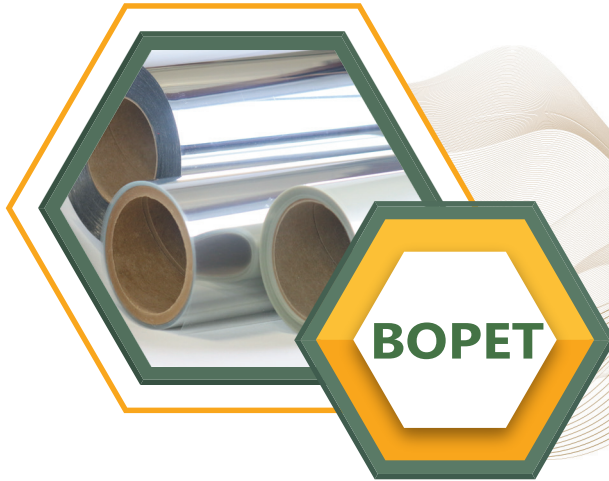


**POLFILM**  
The Art of Packaging



**BOPET Films** ( PRODUCT PORTFOLIO )

# Who We Are

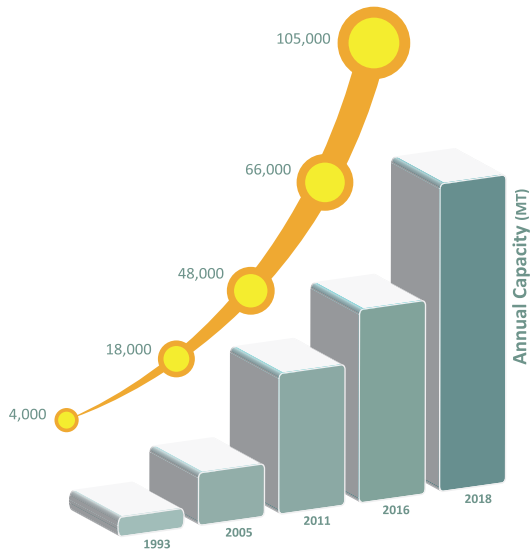
**P****OLFILM** is the first and largest leading manufacturer of BOPP films in Iran. While maintaining the best "product quality" for its customers has always been the top priority in its strategies, Polfilm has also kept a sustainable growth in its production capacity since the beginning. Starting with an annual capacity of 4000 MT in 1993, our capacity has now reached to 66000 MT per annum.

In addition to advanced BOPP production lines, POLFILM is equipped with three metalizing machines with a capacity of 24000 tons per year. In line with the strategic development plan and company visions, POLFILM has launched an advanced and high-tech production plant of BOPET films "**PETCO plant**". This line, with a 40,000 MT production capacity in a year along with the new forth metalizing machine, enables our organization to provide a variety of BOPP and BOPET products for our customers' satisfaction.

For over 20 years, we have developed, produced, and offered a full range of high quality films used in flexible packaging, labeling, paper lamination, and a variety of other industrial applications. We proudly produce more than 40 different products with different thicknesses starting from 10 up to 80 microns on BOPP films and 8 to 150 microns on BOPET films.



# Milestones



**2018**

Launch of BOPET  
production line "PETCO"

**2016**

Launch of the third BOPP  
production line

**2011**

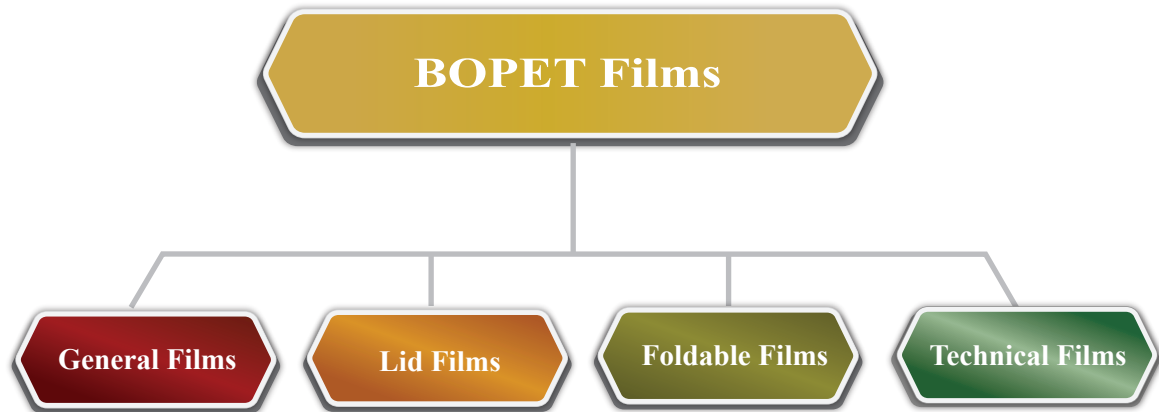
acquisition of "ATLAS FILM"  
BOPP production line

**2005**

Launch of the second  
BOPP production line

**1993**

Foundatuion:  
Launch of the first  
BOPP production line



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# General Films

**Transparent**

**White**

**White  
Opaque  
Metallized**

**Matt**

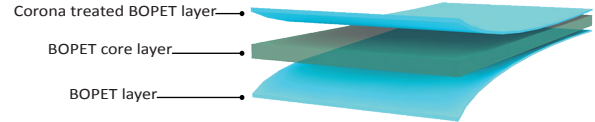
**Metallized**

## Petpak 121 S

### Application:

General purpose film for flexible packaging; applicable in printing, metallizing, lamination and coating.

Untreated film can also be supplied upon request (Petpack 120 S).



Specification	Unit	Value							
Thickness	μm	8	10	12	23	36	50	75	100
Yield	m <sup>2</sup> / Kg	89.3	74.1	59.5	31.1	19.8	14.3	9.5	7.1
Unit weight	g/m <sup>2</sup>	11.2	14	16.8	32.2	50.4	70	105	140



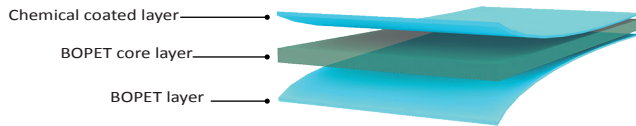
# General Films

## Petpak 223 S

### Application:

Coated film for flexible packaging; applicable in printing, metallizing, lamination and coating. The coated layer gives excellent adhesion to a wide range of inks and improves metal bonding in metallization.

The other side of film can also be corona treated (Petpak 222 S).



Specification	Unit	Value				
Thickness	$\mu\text{m}$	8	10	12	23	36
Yield	$\text{m}^2 / \text{Kg}$	89.3	74.1	59.5	31.1	19.8
Unit weight	$\text{g/m}^2$	11.2	14	16.8	32.2	50.4

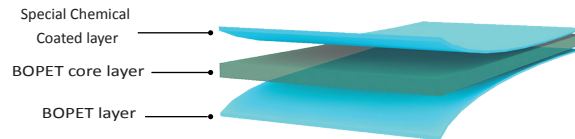


## Petpak 322 S

### Application:

Transparent film used for Flexible packaging application , specially designed for hot filling, sterilization and pasteurization Processes. The coated layer gives outstanding adhesion to metal and a wide range of inks.

Other side of film can also be non-treated (Petpak 323 S).



Specification	Unit	Value					
Thickness	μm	8	10	12	23	36	
Yield	m <sup>2</sup> / Kg	89.3	74.1	59.5	31.1	19.8	
Unit weight	g/m <sup>2</sup>	11.2	14	16.8	32.2	50.4	

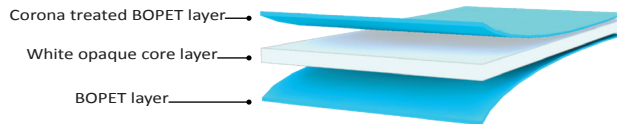


## Petpak 131 S

### Application:

White opaque film used for packaging applications such as printing, metallizing, lamination and coating.

Untreated film can also be supplied by request (Petpack 130 S).



Specification	Unit	Value			
Thickness	μm	12	15	18	23
Yield	m <sup>2</sup> / Kg	57.5	46	38.3	30
Unit weight	g/m <sup>2</sup>	17.4	21.7	26.1	33.3

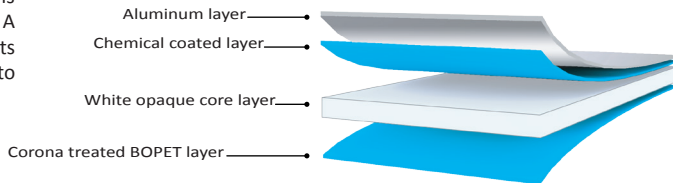


# General Films

## petmet 131 HB

### Application:

White opaque metallized film used for packaging applications like confectionary and snacks as printing or lamination layer. A different aesthetic appeal of an aluminum foil is obtained by its surface. The Metallization is done on chemical coated layer to provide outstanding metal adhesion.



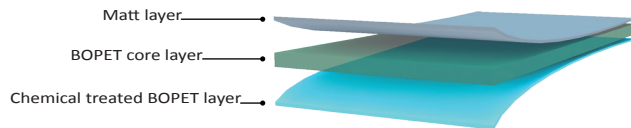
Specification	Unit	Value			
Thickness	$\mu\text{m}$	12	15	18	23
Yield	$\text{m}^2 / \text{Kg}$	57.5	46	38.3	30
Unit weight	$\text{g}/\text{m}^2$	17.4	21.7	26.1	33.3



## Petpak 253 S

### Application:

Matt film used for packaging applications such as lamination and printing where matt effect is desired. Matt finish layer provides a non-reflective surface.



Specification	Unit	Value		
Thickness	$\mu\text{m}$	12	23	36
Yield	$\text{m}^2 / \text{Kg}$	59.5	31.1	19.8
Unit weight	$\text{g/m}^2$	16.8	32.2	50.4

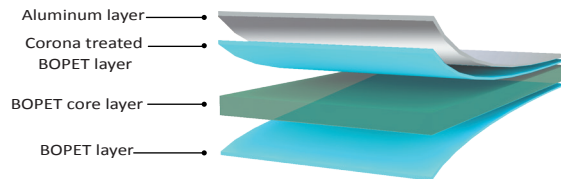


# General Films

## Petmet 180 S

### Application:

General purpose metallized film for flexible packaging;  
applicable in lamination, printing and coating.



Specification	Unit	Value				
Thickness	$\mu\text{m}$	8	10	12	23	36
Yield	$\text{m}^2 / \text{Kg}$	89.3	74.1	59.5	31.1	19.8
Unit weight	$\text{g}/\text{m}^2$	11.2	14	16.8	32.2	50.4



**Metallizing  
on corona**

**Metallized**

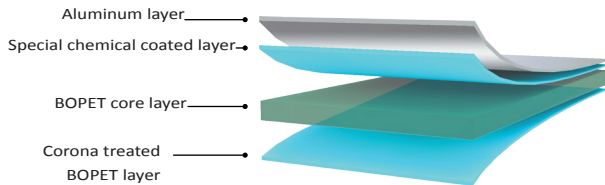
# General Films

## Petmet 181 HB

### Application:

High barrier metallized film used for flexible packaging; specifically designed for hot filling, sterilization and pasteurization Processes. Superior metal adhesion is obtained with metallizing on special coated layer.

Non-treated film is available (Petmet 180 HB).



Metalizing  
on special  
coating

Metallized

High  
barrier

Specification	Unit	Value					
Thickness	$\mu\text{m}$	8	10	12	23	36	
Yield	$\text{m}^2 / \text{Kg}$	89.3	74.1	59.5	31.1	19.8	
Unit weight	$\text{g/m}^2$	11.2	14	16.8	32.2	50.4	

# Lid Films

**Transparent**

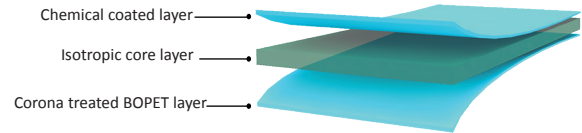
**Metallized**

## Petlid 322 S

### Application:

Non-sealable Isotropic film used for lidding applications like dairy products, ready meals, fruits, salads and beverages.

One side is chemically modified to improve printability.



Specification	Unit	Value			
Thickness	μm	12	23	36	50
Yield	m <sup>2</sup> / Kg	59.5	31.1	19.8	14.3
Unit weight	g/m <sup>2</sup>	16.8	32.2	50.4	70

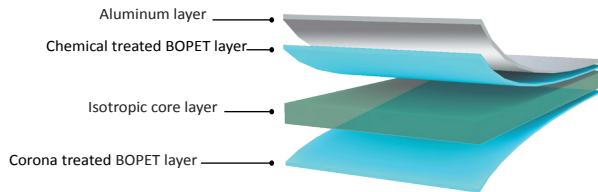




## Petlid 181 HB

### Application:

Metallized isotropic film used for lidding applications like dairy products, desserts, ready meals and beverages.



Specification	Unit	Value			
Thickness	$\mu\text{m}$	12	23	36	50
Yield	$\text{m}^2 / \text{Kg}$	59.5	31.1	19.8	14.3
Unit weight	$\text{g/m}^2$	16.8	32.2	50.4	70





## Foldable Films

**Transparent**

**White**

**Metallized**

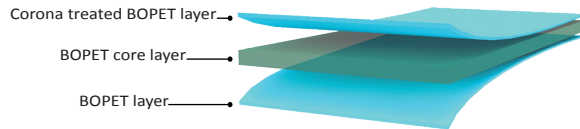
# Foldable Films

## Petwist 121 S

### Application:

Foldable film used for twist wrap packaging of confectionary products like candies, chocolates, etc.

Untreated film can also be supplied by request (Petwist 120 S).



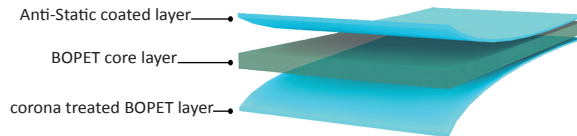
Specification	Unit	Value		
Thickness	$\mu\text{m}$	15	18	23
Yield	$\text{m}^2 / \text{Kg}$	47.6	39.7	31.1
Unit weight	$\text{g}/\text{m}^2$	21	25.2	32.2



## Petwist 422 S

### Application:

Anti-static coated transparent Foldable film used for twist wrap packaging of confectionary products like candies, chocolates, etc. This film provides good anti-static properties for high speed packaging machines.



Specification	Unit	Value		
Thickness	$\mu\text{m}$	15	18	23
Yield	$\text{m}^2 / \text{Kg}$	47.6	39.7	31.1
Unit weight	$\text{g}/\text{m}^2$	21	25.2	32.2

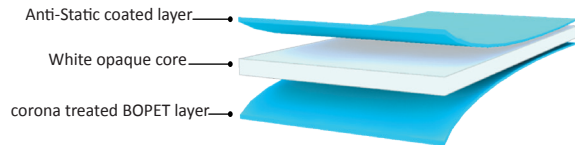


# Foldable Films

## Petwist 432 S

### Application:

Anti-Static white foldable film used for twist wrap packaging of confectionary products like candies, chocolates, etc. This film provides good anti-static properties for high speed packaging machines.



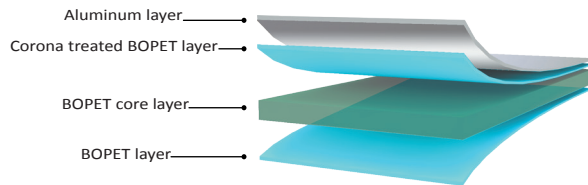
Specification	Unit	Value		
Thickness	μm	15	18	23
Yield	m <sup>2</sup> / Kg	47.6	39.7	31.1
Unit weight	g/m <sup>2</sup>	21	25.2	32.2



## Petwist 180 S

### Application:

Metallized foldable film used for twist wrap packaging of confectionary products like candies, chocolates, etc.



Specification	Unit	Value		
Thickness	$\mu\text{m}$	15	18	23
Yield	$\text{m}^2 / \text{Kg}$	47.6	39.7	31.1
Unit weight	$\text{g/m}^2$	21	25.2	32.2



Metallized

Twist Retention



# Technical

Hot Stamp

Transparent

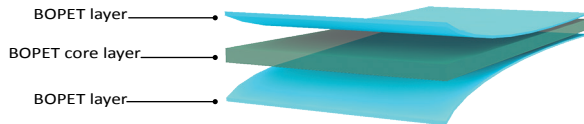
Matt

# Technical Films

## Petstam 120 R

### Application:

Transparent thermo-stabilized film used for hot stamping application such as transferring the metallized patterns. This application is extensively used for advertising, cosmetic, packaging, medical products and etc.



Specification	Unit	Value		
Thickness	$\mu\text{m}$	12	18	23
Yield	$\text{m}^2 / \text{Kg}$	59.5	39.6	31
Unit weight	$\text{g}/\text{m}^2$	16.8	25.2	32.2

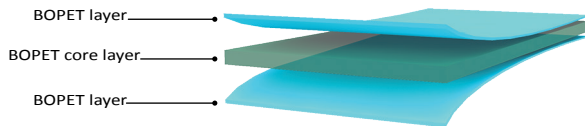




## Petstam 150 R

### Application:

Matt thermo-stabilized film used for hot stamping application such as transferring the printing patterns to Edge banding, PVC cornice, MDF design and etc. high matt appearance of the film can also be supplied as Petstam 150QR.



Specification	Unit	Value	
Thickness	$\mu\text{m}$	18	23
Yield	$\text{m}^2 / \text{Kg}$	39.6	31
Unit weight	$\text{g}/\text{m}^2$	25.2	32.2



## Note

# POPLFILM

## The Art of Packaging

## Note

POPLFILM

The Art of Packaging

## Note

POLYFILM

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# PRODUCT OVERVIEW

## General films

Appearance	Product Code	Thickness (μ)	Surface treatment
Transparent	Petpak 121 S	8, 10, 12, 23, 36, 50, 75, 100	1 side corona treated
	Petpak 223 S	8, 10, 12, 23, 36	1 side chemical coated
	Petpak 322 S	8, 10, 12, 23, 36	1 side special chemical coated, other side corona treated
White	Petpak 131 S	12, 18, 23	1 side corona treated
White Opaque metallized	Petpak 131 HB	12, 23	Metallizing on chemical coated, other side corona treated
Matt	Petpak 253 S	12, 23, 36	1 side matt, other side chemical coated
Metallized	Petmet 180 S	8, 10, 12, 23, 36	Metallizing on corona
	Petmet 181 HB	8, 10, 12, 23, 36	metallizing on chemical coated

## PRODUCT OVERVIEW

### Lid films

Appearance	Product Code	Thickness (μ)	Surface treatment
Transparent	Petlid 322 S	12, 23, 36, 50	1 side corona treated, other side chemical coated
Metallized	Petlid 181 HB	12, 23, 36, 50	Metallizing on chemical coated, the other side corona treated

### Tecnical films

Appearance	Product Code	Thickness (μ)	Surface treatment
Transparent	Petstam 120 R	12, 18, 23	Without corona treated
Matt	Petstam 150 R	18, 23	One side matt, Without corona treated

## PRODUCT OVERVIEW

### Foldable films

Appearance	Product Code	Thickness ( $\mu$ )	Surface treatment
transparent	Petwist 121 S	18, 23	1 side corona treated
	Petwist 422 S	18, 23	1 side static modified, other side corona treated
White	Petwist 432 S	18, 23	1 side static modified, other side corona treated
Metallized	Petwist 180 S	18, 23	Metallizing on corona

# PETCO

Art of Packaging



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