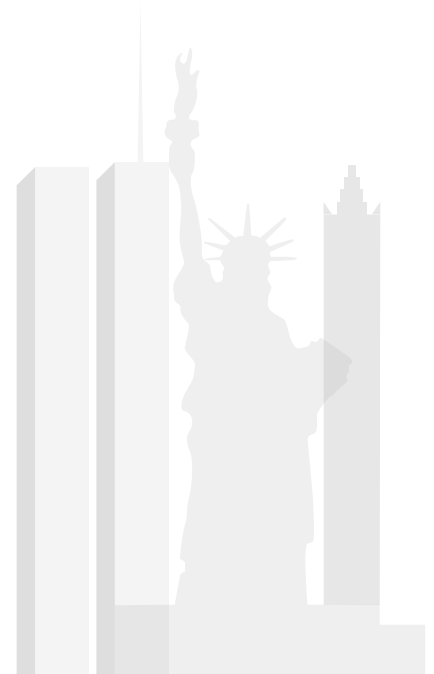


Engineered to enhance shelf life



# BOPET FILMS

At Cosmo Films, we are constantly innovating to provide you with better Solutions. Our BOPET films are engineered for not only highly efficient Converting operations, but also enhancing the shelf life of the product.



# BOPET Films

S. No.	Product Code	Microns	Product Description	Applications
PLAIN				
1.	PAF-1	6, 8, 10, 12, 15, 19, 23, 36, 50	Transparent film, one side CT. Good transparency.	Flexible packaging applications.
2.	PAF-O	6, 8, 10, 12, 15, 19, 23, 36, 50	Transparent film, Untreated. Good transparency.	
3.	MTF-1	12,15,19,23	Matte film, one side corona treated and other side untreated	Pet food and Tobacco
CHEMICAL COATED				
4.	CPF-1	8, 10, 12, 15, 19 23, 36, 50	Transparent film, one side Copet coated & other side Corona treated. Excellent bond adhesion with Inks & adhesives.	Converting & metallization. Acid, Alkali packaging.
5.	CPF-O	8, 10, 12, 15, 19 23, 36, 50	Transparent film, one side special chemical coated & other side Untreated Excellent bond adhesion with Inks & adhesives.	
6.	MAF-1	8, 10, 12, 15, 19 23, 36, 50	Transparent film, one side special chemical coated & other side treated	Printing, lamination & metallization. Hot fill, Pasteurization, Sterilization & Retort application.
7.	MAF-O	8, 10, 12, 15, 19 23, 36, 50	Transparent film, one side special chemical coated & other side Untreated.	
8.	MCF-O	12,15,19,23	Matte film, one side chemical coated and other side untreated	Pet food and Tobacco
9.	C2001 (VT-P)	14/15	One side Velvet and other side corona treated	Luxury Flexible Packaging.
UV OFFSET PRINTABLE FOR BOARD LAMINATION				
10.	BLF-O	8, 10, 12, 15, 19	Transparent film, one side special primer coated & other side UT. Special primer coated side suitable for UV offset sheet printing.	Designed for UV offset printing for board lamination. Suitable for high speed UV offset printing machines.
11.	BLF-1	8, 10, 12, 15, 19	Transparent film is one side special primer coated & other side Corona treated. Special primer coating side suitable for UV offset sheet printing.	
12.	BLF-1(MO)	8, 10, 12	Metallization on corona treated surface. Suitable for UV offset ink printing on coated surface side.	Specially designed for UV offset printing on chemically coated side. Film is majorly use in box/board lamination.
13.	EBF	13	One side embossable film and other side untreated.	Embossing, Holographic application and Gift wrap
SEALABLE & PEELABLE FILMS				
14.	HSF-O	12, 15, 19, 23, 30	Transparent one side heat sealable PET film	Tack Seal and Food tray Sealing
15.	TLID	30	Transparent Lidding film, One side Sealable and other side not treated.	Suitable for lidding application with APET, CPET & PVC. Other side suitable for surface printing.
16.	TLID-AF	30	Transparent Lidding film with Antifog property, Antifog lidding films with sealent layer	
17.	MLID	22	Metalized Lidding Film	
18.	PSF (AF)	25	Lidding film with Antifog property. Excellent dimensional stability. Excellent Peelable Sealing Property.	
ISOTROPIC FILM FOR LIDDING - TRANSPARENT				
19.	ITF-O	12, 19, 23, 36,50	Transparent film, both sides UT. Balanced mechanical properties in all directions.	Designed for lidding applications.
20.	ITF-1	12, 19, 23, 36,50	Transparent film, one side CT. Balanced mechanical properties in all directions.	
THICK FILM - TRANSPARENT				
21.	LHF-O	50, 75, 90, 100, 103, 114,125	Low haze film, both sides UT.	Electrical insulation Sequins and Glitter application. Good adhesion for inks and lacquers.
22.	LHF-1		Low haze film, one sides CT.	
22.	NHF-O		Normal haze film, both sides UT.	
23.	NHF-1		Normal haze film, one side CT.	
24.	EGF	15,19,23,36,50	Untreated PET Film for electrical insulation	Motor winding, Leatheroid lamination & Electrical insulation tape.

# BOPET Films

S. No.	Product Code	Microns	Product Description	Applications
RELEASE FILM - TRANSPARENT				
25.	RLF-0	19, 23, 30, 36, 50	Transparent release film, both sides UT. High mechanical strength & durability.	Specially designed for silicon coating application for better release.
TWIST WRAP FILM				
26.	AS TGF-0	15, 18, 20, 23	Transparent film, one side coated & other side Untreated. Very low static charge, Zero memory. **Not suitable for printing on coated surface".	Specially designed for: - Twist wrap packaging of confectionery items. - Suitable for hot as well as cold application. - Candy and Lollipops wrap application.
27.	AS TGF-1	15, 18, 20, 23	Transparent film, one side coated & other side CT. Very low static charge, Zero memory. Excellent twist retention. **Not suitable for printing on coated surface".	Specially designed and suitable for: - Twist wrap packaging for confectionery. - Twist wrapping both in hot & cold application.
28.	TGF-1 MO	15, 18, 20, 23	Metalized on corona treated surface. With (od 2.2) normal barrier. Excellent twist retention, Zero memory.	Specially designed and suitable for: - Twist wrap packaging for confectionery. - Twist wrapping both in hot & cold application.
YARN GRADE FILM - TRANSPARENT				
29.	YGF-0	12.5, 13, 13.5, 23, 36	Transparent film, both side UT. Excellent mechanical properties. Excellent thermal stability.	Yarn film are used in plain as aell as metalized form (zari thread). Printing and Lamination.
30.	YGF-1		Transparent film, One side CT, Excellent mechanical properties, Excellent thermal stability	
BARRIER FILMS - METALIZED				
31.	PAF-1 (MO) NB	8, 10, 12, 15, 19, 23	Metallization on corona treated surface. With (od 2.2) normal barrier application. Good barrier properties.	Flexible packaging, Printing & Lamination. Decorative applications. Duct insulation.
32.	PAF-1 (MO) MB	8, 10, 12, 15, 19, 23	Metallization on corona treated surface. With (od 2.5) High barrier application. Very good barrier properties.	
33.	PAF-1 (MO) HB	8, 10, 12, 15, 19, 23	Metallization on corona treated surface. With (od 2.8) for Special barrier application. Excellent barrier properties.	
34.	CPF-1 (MO) NB	8, 10, 12, 15, 19, 23	Metallization on chemical coated surface. With (od 2.2) normal barrier application. Good barrier properties.	Flexible packaging, Printing & Lamination. Decorative applications.
35.	CPF-1 (MO) MB	8, 10, 12, 15, 19, 23	Metallization on chemical coated surface. With (od 2.5) High barrier application. Very good barrier properties.	
36.	CPF-1 (MO) HB	8, 10, 12, 15, 19, 23	Metallization on chemical coated surface. With (od 2.8) for Special barrier application. Excellent barrier properties.	
37.	MAF-1 (MO) NB	8, 10, 12, 15, 19, 23	Metallization on chemical coated surface. With (od 2.2) normal barrier application. Good barrier properties.	Flexible packaging, Printing & Lamination. Flexible packaging. Hot fill application up to 100°C / 212°F.
38.	MAF-1 (MO) MB	8, 10, 12, 15, 19, 23	Metallization on chemical coated surface. With (od 2.5) High barrier application. Very good barrier properties.	
39.	MAF-1 (MO) HB	8, 10, 12, 15, 19, 23	Metallization on chemical coated surface. With (od 2.8) for Special barrier application. Excellent barrier properties.	

# PET G Shrink Films

S.No.	Properties	Ref.	Units	ASTM#/Test Method	CF-B0-HSPF			
	PHYSICAL DATA							
1.	Average Thicktness		Microne	D-374-C	40	45	50	60
			Gauge		160	180	200	240
			Mils		1.6	1.8	2.0	2.4
2.	Density		g/cc		1.27	1.27	1.27	1.27
3.	Average Substance		g/m2		50.8	57.15	63.5	76.2
4.	Surface Tension		Dynes/cm	D-2578	40-42			
5.	Kinetic COF Static / Dynamic	A/B			0.50/0.45			
6.	Yield		m2/Kg	D-4321	19.69	17.50	15.75	13.12
			in2/lb		13843	12303	11073	9224
	OPTICAL DATA							
7.	Haze		%	D-1003	<5	<5	<5	<5
	MECHANICAL DATA							
8.	Tensile Strength	MD	Kg/cm²	D-882	500	500	500	500
		TD			3000	3000	3000	3000
9.	Elongation	MD	%	D-882	500	500	500	500
		TD			65	65	60	60
	THERMAL DATA							
8.	Boiling Water Shrinkage (At 98° C/30 sec)	MD	%	At 98°x30 sec. in hot water	2.0			
		TD			78.0			

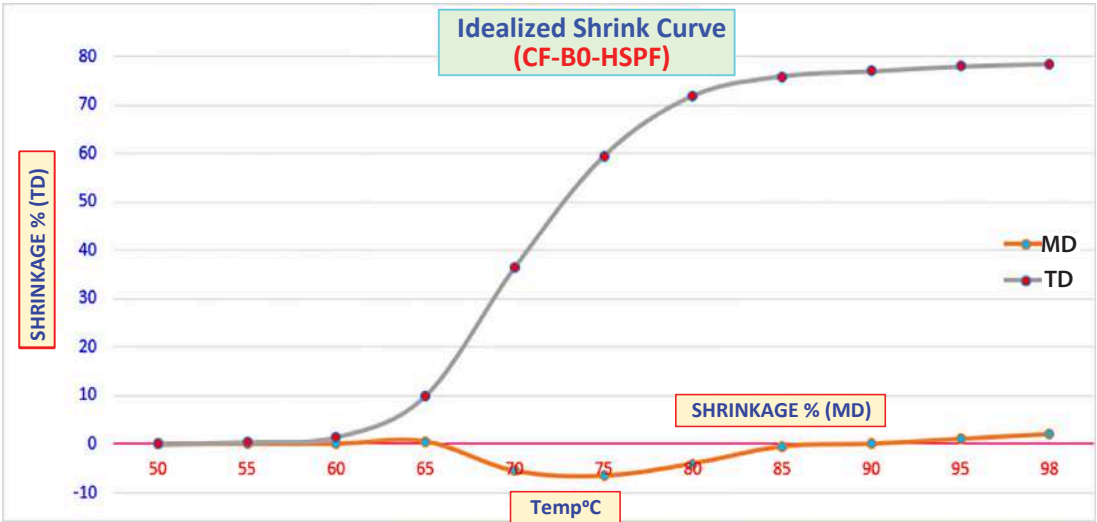
CTM : Cosmo Test Method    MD : Machine Direction    TD : Transverse Direction    B0 : Untreated

- These films are produced on a state of the art 8.7 meter wide Bruckner line, specially designed for producing High Shrink Films (maximum width line for producing PET-G Shrink Film).
- The line is only of its kind in the world and has the distinction of being the largest line producing Shrink PET Films.
- PET-G Shrink Film is produced under Class 100,000 Clean room conditions.
- Vacuum & Twin-screw extrusion technology restricting polymer degradation compared to old technology.

## APPLICATIONS

- Best suited for full body Shrink sleeves, Seal caps.
- Cosmetics, Personal Care, Dairy, Food, Beverages and Pharmaceutical packaging.

## IDEALIZED SHRINK CURVE





# About Us

Cosmo Films is a global leader in specialty films for packaging, lamination, labelling and synthetic paper. With engineering of innovative products and sustainability solutions, Cosmo Films over the years has been partnering with worlds' leading F&B and personal care brands and packaging & printing converters to enhance the end consumer experience. With state-of-the-art manufacturing facilities in India and Distribution, warehousing & sales offices in different parts of the world, the company has been at the forefront of developing customer-centric solutions to deliver the finest product and service experience, backed by innovation, people, and processes.



## Installed Production Capacity

BOPP Films: 1,96,000 TPA  
CSP : 7,200 TPA  
CPP Films: 27,000 TPA  
BOPET Films: 30,000 TPA  
PET G Films: 14,000 TPA  
Thermal Films: 40,000 TPA  
Coating Films: 30,000 TPA  
Metalized Films: 41,000 TPA

## Infrastructure\*\*

9 BOPP Production Lines\*  
1 CSP Line  
3 CPP Lines  
1 BOPET Line  
6 Thermal Lamination Lines  
8 Gravure Coating Lines  
8 Metalizers

## Certifications

**ISO 9001: 2015** - Quality Management System  
**BRCGS** - Global Standard For Packaging Material System  
**ISO 14001: 2015** - Environment Management System  
**FSSC 22000** - Food Safety System Certification  
**ISCC+** - International Sustainability and Carbon Certification.

\* 10<sup>th</sup> BOPP line to be commissioned by March, 2025



## YOU CAN REACH US



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**CORPORATE OFFICE**  
New Delhi, INDIA



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India: 3



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100+ Countries



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India: 6 | US: 1 | Germany: 1  
Japan: 1 | Korea: 1



**WAREHOUSES**  
Canada: 1 | US: 7 | Korea: 1 | Japan: 1  
Germany: 2 | Mexico: 1

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