

FLEXIBLE PACKAGING FILMS

Engineered to enhance Shelf Life



An Ecological Approach for a
Sustainable Future

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: 2,76,000 TPA
CSP : 7,200 TPA
CPP Films: 27,000 TPA
BOPET Films: 30,000 TPA
PET G Films: 12,000 TPA
Thermal Films: 25,500 TPA
Coating Films: 40,800 TPA
Metalized Films: 56,800 TPA

Infrastructure

10 BOPP Production Lines
2 CSP Line
3 CPP Lines
1 BOPET Line
5 Thermal Lamination Lines
12 Gravure Coating Lines
10 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 PLUS - International Sustainability and Carbon Certification.

A Commitment to Responsible Growth



ENVIRONMENTAL

Cosmo First takes active steps to reduce the environmental impact of its operations, uses natural resources responsibly, and embeds sustainability across the organisation.

42%

Reduction in carbon
Emission (Scope 2)

50%

Solar power
consumption

35%+

Percentage of water
treated at Cosmo

7M+

Litres per Year
Water saved



SOCIAL

Cosmo First is deeply invested in community wellbeing through a wide range of initiatives under its Social Responsibility framework. These include meaningful CSR investments, programs focused on women's wellbeing, support for educational institutions, and efforts in health, sanitation, environmental conservation, and plantation drives.

1M

Lives touched through CSR

1,61,000+

Trees planted

2,400+

Women empowered

61

Digitalized Schools

BOPP Films

S. No.	Product Code	Microns	Product Description	Applications
BARRIER FILMS				
1.	HST-2 (UHB) MO	18	Metalized, Ultra high barrier, Both side CT	Aluminium Foil Replacement, Dry Powdered milk & Coffee
2.	PCT-2(UHB) HR MO	18	High heat resistant, Metalized, Ultra high barrier, Both side CT	Bag in Box-Energy drinks, Instant cereal mix
3.	HST-1 (HBOM)	28	Cavitated Metalized, Ultra High Barrier, Very high Seal Strength and SIT 80	Chicken cubes, Chips, Dehydrated foods, Spices
4.	HST-1 (PL-SC) MO	35/38	Cavitated Metalized, Medium Barrier	Spice cubes & Cosmetics
5.	HST-2(IMB)HS MO	14/15/20/30	Metalized, Intermediate barrier, Cold seal lamination, Suitable for extrusion lamination	Chocolates, Biscuits, Dry Powder, Multilayer Sachets
6.	HST-2 (HMB) MO	15/18	Metalized, High moisture barrier, Suitable for cold seal lamination, Both side CT	
7.	HST-2 (MDZ) MO	15/18/20	Metalized, High moisture barrier, Suitable for cold seal lamination, Both side CT	
8.	HST-1(HMB-EL) MO T085	15/18	Metalized, High mositure barrier, Heat sealable, 85/95 SIT, Suitable for extrusion lamination	Chocolates, Biscuits, Cream & waffers
9.	HST-1(HMB-EL) MO T095			
10.	HST-1 (HSB) MO T095	18	Metalized, Broad seal & high hot tack, SIT 95	Chips, Nachos, Tea Sachet & Bakery
11.	HST-1 (HSB-EL) MO T085	15/18/20/25	Metalized, High barrier, broad seal, High hot tack, SIT 85 Suitable for extrusion lamination	
12.	HST-1 (EL) MO T095	15/18/20	Metalized, Medium barrier, Suitable for extrusion lamination	Chips & waffers
13.	HST-1 (EL) MO T105			
14.	HST-1 (HSS-EL) MO T085	18	Metalized, High barrier, broad seal, High hot tack, SIT 85 Suitable for extrusion lamination	Confectionary, snacks & pet food application
15.	HST-1 (ES-EL) MO T085	20/23		Inner sealing layer for biscuits, confectionary and snacks
16.	C1010 (A-A)	25/30/35/40	Transparent, High gloss, High aroma barrier, Broad seal	Bakery, Confectionery, Tea, Rice Perfume, Soap Packing
HEAT RESISTANT FILM - PET FILM REPLACEMENT				
17.	PCT-1/2 (CV) HR	15/18/20	Heat resistant (upto 160°C), High gloss, Non heat sealable, Both side CT	PET film replacement in a multilayer laminate
18.	PCT-2 (TR)	18	High Heat resistant (upto 185°C), Non heat sealable, Both side CT, Linear Tear	
LABEL FILMS				
19.	HST-1 (PLO) MO	35/38	Metalized, Cavitated white opaque	Wrap Around Label
20.	HST-1/2 (PLO) LB	35/38	Cavitated white, Good ink anchorage, One/Both side CT	Wrap around labels for containers of soft drinks, mineral water etc.
21.	HST-1 (PLO) LB HS	38	Cavitated white, High gloss, Both side CT suitable for high speed labelling machines	
22.	PCT-2 (PLO) LB	38	Cavitated White, High gloss, Both side CT	
23.	HST-2 (PL)	25	Pearlised, Both side CT	Wrap Around Label for beverages -Soft Drinks, Juices & Water
24.	HST-2 (PL)MO		Pearlised, Metalized, Both side CT	
25.	HST-1(PL)HS	30/35	Pearlosed, High Gloss, High Speed, Heat Sealable	
26.	HST-1/2(PLO) LB62	38	Cavitated White, Good ink anchorage, One/Both side CT	
27.	PCT-1/2 (S/S) LB	30/35/38/40/45/47/50	Transparent, Superior ink anchorage for "No Look" label, One/Two side CT	Wrap Around Transparent or 'No Look' Labels
28.	HST-2 (IML) LB88	60/70	Solid white IML film, Both side CT	In-Mould Labels
29.	HST-2 (IML) LB58		Cavitated white IML film with Orange peel effect, High yield, Both side CT	
30.	PCT-2 (P/L) OL	12/15	Transparent, High gloss, Both side CT	Label Over Lamination
31.	PCT-2 (M) OL		Matte, Both side CT	

BOPP Films

S. No.	Product Code	Microns	Product Description	Applications
PRINTING & POUCHING FILMS - WHITE & PEARLISED				
32.	HST-1 (W)	15/18/35	Solid white, Heat sealable, One side CT	Jelly, Candy & Gems
33.	HST-1 (W) T095	35	Solid white, Heat sealable, Low SIT, One side CT	Snacks & Bakery
34.	HST-1 (PL)	25/30/35/40	Pearlised, Heat sealable, One side CT	Ice Creams, Snack Foods & Confectionery
35.	HST-1 (PL) T095	25/30/35/40	Pearlised, Low SIT, One side CT	
36.	HST-1 (PLO) T095	35	Pearlised, High gloss, Low SIT, One side CT	
37.	HST-1 (PL) SOW	25	Pearlised, Low SIT 85°C , One side CT	Soap Overwrap
PRINTING & POUCHING FILMS - MATTE				
38.	HST-1 (M) CSR	18	Matte, Cold seal release, One side CT	Chocolates & Cookies
39.	PCT-1/2 (M)	15/18/20/25	Non heat sealable, One/Both side CT	Choclates, Nuts & Cookies
40.	HST-1/2 (M)		Non heat sealable, One/Both side CT	
41.	HST-1 (SM) T105	15/18/20/30	Matte side sealable at 105°C, one side CT	Lamination with PP woven sacks for Pet food packaging
42.	C1052(VT) CX	17	Velvet Touch Matte BOPP	Luxury Packaging
PRINTING & POUCHING FILMS - TRANSPARENT				
43.	PCT-1/2 (CV)	15/18/20/25/30	Non heat sealable, One/Both side CT	Snack Foods & Confectionery
44.	PCT-1 (CV) LCF	10/12	Low COF, Non heat sealable, One side CT	
45.	HST-1 (LCF) T105	15/17/18/20/23/25/30/35/40/50	Heat sealable, Low COF, One side CT	Snack Foods & Confectionery
46.	HST-1 (LCF) T095	15/18/20/25/30/35/40/50	Low COF, Low SIT, One side CT	Snack Foods & Confectionery
47.	HST-0 (BW)	20/25	Low COF, Heat Sealable, Untreated	Biscuit Overwrap
48.	HST-2 (AF)	25/28/30/35/40/50	Antifog, Heat sealable, Both sides CT	Fresh Vegetables, Fruits, Salad, Meat Packing
49.	HST-1 (HCF)	15/18/20	High COF, Heat Sealable, Anti skid, One side CT	Pet Foods, Grocery bags
50.	HST-1 (SOW)	30/40	Heat Sealable, Low COF, One side CT	Soap wrap
PRINTING & POUCHING FILMS - METALIZED				
51.	PCT-1 (MO)	09	Metallized, High yield, Non heat sealable, One side CT	Disposable Container Lidding, Candy Wraps
52.	PCT-1 (MO)	30/35	Metallized, Non heat sealable, One side CT	Gift Wraps, Decoratives
53.	HST-1 (MO) T105	15/18/20/25/30/40	Metallized, Heat sealable, One side CT	Savouries
54.	HST-1 (MO) T095	15/18/20	Metallized, Low SIT, One side CT	Inner web in multi layer laminate
PRINTING & POUCHING FILMS - OXO Biodegradable Films				
55.	HST-1 (SM) OBD T105	15/20	Matte side sealable at 105°C, one side CT	Snack Foods & Confectionery
56.	HST-1 (OBD)	15/18/20/25/30/35/40/50	Transparent, Heat sealable, One side CT	Snack Foods & Confectionery
57.	HST-1 (HSB-EL) OBD MO T085	15	Metalized, High barrier, High hot tack, SIT 85, For extrusion lamination	Snack food, Bakery & Confectionary
58.	HST-1 (EL) OBD MO	15/18/20	Metallized, Heat sealable, For extrusion lamination	Chips, Nachos & Cookies
59.	HST-1 (OBD) MO	15,18,20,25	Metallized, Heat sealable, One side CT	
60.	HST-1 (OBD) MO T095	15	Metallized, Low SIT, High Speed, One side CT	
INDUSTRIAL FILMS				
61.	PCT-0	12/17/23	Transparent, Non heat sealable, Good release properties	Decorative Laminates
62.	PCT-1	21/22/23/25/27/28/29/30/33/34/35/36/37/40/42	Transparent, Non heat sealable, High gloss	Adhesive Tapes & Textile Bags
63.	PCT-1 (HCL)	23/25/30/35/40	Transparent, Non heat sealable, High clarity	Flower/Textile Wraps

CPP Films

S. No.	Product Code	Microns	Product Description	Applications
TRANSPARENT - CPP FILMS				
64.	HST-1 (P/L) CPP	20/22/25/30/35/ 40/45/50/55/60/70	Transparent, Heat sealable, High Speed, One side CT	Pasta, Bakery, Candy Pouch & Confectionery
65.	HST-1 (P/L) CPP T105	20/22/25/30/35/ 40/45/50/55/60/70	Transparent, Heat sealable, High Speed, One side CT	
66.	HST-1 (P/L) CPP T095	20/25/30/ 35/40/45/60	Transparent, Heat sealable, High Speed, Low SIT, One side CT	
67.	HST-1(LCF) CPP	20/25/30	Transparent, Low COF, High Speed, One side CT	
68.	HST-1 (DF) CPP	30/35/40/50/70	Transparent, Heat sealable, High Speed, One side CT, Deep freeze properties upto 25°C	
WHITE - CPP FILMS				
69.	HST-1 (W) CPP T095	15/20/40/60	White, Heat sealable, Low SIT, One side CT	Noodles, Detergent & Snack
70.	HST-1 (W) CPP	20/25/30/35/ 40/50	White, Heat sealable, One side CT	Confectionery
71.	HST-1 (W) HCF CPP	25/30	White, Heat sealable, High COF, One side CT	Diapers
METALIZED - CPP FILMS				
72.	HST-1 (MO) CPP	20/22/25/30/35	Metalized, Heat sealable, One side CT	Snack Foods & Confectionery
73.	HST-1 (MO) CPP T095	20/22/25	Metalized, Heat sealable, Low SIT, One side CT	
74.	HST-1 (MO) CPP T105	20	Metalized, Heat sealable, One side CT, SIT 105°C	
75.	HST-1 (MO) CPP T115	20/25	Metalized, Heat sealable, One side CT, SIT 115°C	
BARRIER METALIZED - CPP FILMS				
76.	HST-1 (BIL) MO CPP	22/25	Metalized, High Barrier, High metal bond strength, One side CT	Bakery Products
77.	HST-1 (MHB-EL) MO CPP T095	25	Metalized, High Barrier, High metal bond strength, Suitable for extrusion lamination, Low SIT 95, One side CT	Flavoured Tobacco & Savouries
78.	HST-1(HMB-MO) T095	20/25	Metalized, High metal bond strength, Low SIT 95, One side CT	Snack Foods & Confectionery
79.	HST-1 (UHB) MO CPP	30	Metalized, High Barrier, High metal bond strength, Suitable for extrusion lamination, One side CT	Snack Foods & Confectionery
RETORT - CPP FILM				
80.	HST-1(RT)CPP	70/80/90	High Retort	Pet Food & Ready to Eat Food
81.	HST-1(WRT)CPP	70/80	White Retort	
ANTIFOG/LIDDING - CPP				
82.	HST-1(AF) CPP	30	Antifog CPP	Fruits & Vegetables
83.	HST-1 (LSR) CPP	50	Transparent CPP, SIT 125°C	Lidding Application for PP/PE containers
84.	HST-1 (LRT) CPP	50/80	Transparent CPP, Retortable upto 135°C	Lidding Application for PP/PE containers, suitable for retort applications

Lamination Films

S.No.	Product Code	Product Type	Microns	Product Features	Application
THERMAL LAMINATION FILMS - BOPP					
85.	PCT-2 (DL)	Gloss	18/20/22/24/25.5	Superior gloss finish, High clarity, Excellent bonding to both printed & unprinted paper substrate	Brochures, Folders, Posters, Cartons, Diaries, Manuals, Magazines, Books, Photo albums
86.	PCT-2 (MDL)	Matte	18/20/22/26/27	Aesthetic matte finish, Excellent durability & bonding, Suitable for UV-coating, embossing & hot foil stamping	
87.	PCT-2 (M-SIL) DL	Silky Matte	27	Silky satin finish, Excellent bonding, Non-reflective finish resistant to finger prints	
88.	PCT-2 (DL) GMO	Gold	24	One side metallized, other side Golden, printable on golden side	Carton of cosmetics, Perfume, Wine etc.
THERMAL LAMINATION FILMS - PET					
89.	PCT-2 (PDL)	Gloss	27/30/37/75 125/175/200/250	High gloss & good stiffness, Accepts foil stamping, Excellent bonding with inks & coatings	Maps, Menu cards, Certificates, Marksheets, Folders, Labels, Photo albums
90.	PCT-2 (PDL)MO	Silver	22	Metallized suitable for UV offset ink printing on coated side	Carton of cosmetics, Perfume, Wine etc.
91.	PCT-2 (PDL) GMO	Gold	24/27	Metallization on CT side, other side Golden, Suitable for UV offset ink printing on coated side	
WET LAMINATION FILMS - BOPP					
92.	PCT-2 P/L	Gloss	9/10/12/15	Good gloss & clarity, Low haze, Excellent machinability	Brochures, Posters, Carton lamination, Magazines, Diaries, Folders, Rice bag lamination
93.	PCT-2 (M)	Matte	12/15	Natural paper look, Excellent machinability, Excellent surface for UV coating	
94.	PCT-2 (SILKY-M)	Silky Matte	15	Unique optics, Excellent machinability	
95.	PCT-1 (MO)	Silver	12	Good metal anchorage, Good twist retention, Good barrier properties	For decorative lamination with paper, Twist wrap applications
96.	PCT-2 GMO	Gold	12	One side metallized, other side Golden, both sides CT, printable on golden side	Cartons of cosmetics, gift wrap, etc
LAMINATION FILMS - SPECIAL APPLICATIONS					
INSULATIONS FILMS					
97.	PCT-1 (DL) MO	Silver (Thermal-BOPP)	22	Adequate bonding with EPS sheets, Excellent moisture barrier, Excellent thermal insulation	For thermal insulation by a laminate with expanded polystyrene sheets used in buildings construction & cartons
MAPPED & MATCHED FILMS					
98.	P2PET (DL)	Gloss (Thick PET)	125/200/250	Excellent adhesion, clarity & durability, Excellent flatness & rigidity	Loyalty/Gift cards, ID cards, Postcards & Applications requiring excellent flatness
PREMIUM LAMINATION FILMS					
VELVET LAMINATION FILMS					
99.	PCT-2 (DL) VT	Velvet (Thermal-BOPP)	32	Premium velvet finish, Scuff resistant, Suitable for UV spot coating, foil stamping	Luxury packaging, Cosmetics & Liquor cartons, Coffee table books, Magazines, Brochures, Manuals, Shopping Bags, Wedding cards, Gift boxes, Diaries
100.	C1043 (VT) PR	Velvet (Wet-BOPP)	21		
SCUFF FREE MATTE LAMINATION FILMS					
101.	PCT-2 (MDL) SF	Scuff Free Matte (Thermal-BOPP)	36	Excellent scuff/scratch resistance, Natural matte finish, Suitable for UV-coating, embossing & hot foil stamping	Luxury packaging, Cosmetics & Liquor cartons, Coffee table books, Magazines, Brochures, Manuals, Shopping bags, Wedding cards, Gift boxes, Diaries
102.	PCT-2 (M) SF	Scuff Free Matte (Wet-BOPP)	20		
DIGITAL LAMINATION FILMS					
103.	PCT-2 DL Digital	Gloss (Thermal-BOPP)	31	Excellent optics & resistance to elongation & tear, Excellent bonding with digitally printed surface or digital prints containing high levels of fuser oil	Postcards, Photo books, Book covers, Textbooks, Magazines, Brochures, Manuals, Wedding cards, Posters
104.	PCT-2 MDL Digital	Matte (Thermal-BOPP)		Excellent bonding with digitally printed surface or digital prints containing high levels of fuser oil, Matte surface suitable for spot varnish, embossing & foil stamping	
UV OFFSET PRINTABLE FOR BOARD LAMINATION					
105.	BLF-O	Gloss (Wet-PET)	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.
106.	BLF-1	Gloss (Wet-PET)	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.	
107.	BLF-1(MO)	Silver (Wet-PET)	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.



BOPET & PET-G FILMS

Engineered to Enhance Shelf Life & Appeal

BOPET Films

S. No.	Product Code	Microns	Product Description	Applications
PLAIN				
108.	PAF-1/O	6, 8, 10, 12, 15, 19, 23, 36, 50	Transparent film, one side with/without CT, Good Transparency	Flexible packaging applications.
109.	MTF-1	12,15,19,23	Matte film, one side corona treated and other side untreated	Pet food and Tobacco
110.	HFF-1	12	Anti skid film, COF >0.75, one side corona treated and other side untreated	Pet food and Bulk packaging
CHEMICAL COATED				
111.	CPF-1/O	8, 10, 12, 15, 19 23, 36, 50	Transparent film, one side Copet coated & other side with/without Corona treated. Excellent bond adhesion with Inks & adhesives	Converting & metallization. Acid, Alkali packaging.
112.	MAF-1/O	8, 10, 12, 15, 19 23, 36, 50	Transparent film, one side special chemical coated & other side with/without CT. Excellent bond adhesion with Inks & adhesives	Printing, lamination & metallization. Hot fill, Pasteurization, Sterilization & Retort application.
113.	MCF-O	12,15,19,23	Matte film, one side chemical coated and other side untreated	Pet food and Tobacco
114.	C2001 (VT-P)	14	One side Velvet and other side corona treated	Luxury Flexible Packaging.
115.	C2002 P	14	One side PVdC Coated and other side corna treated	Oxygen sensitive & High Fat content foods packaging
BARRIER FILMS - METALIZED				
116.	PAF-1 (MO) NB	8, 10, 12, 15, 19, 23	Metallization on corona treated surface NB: Normal Barrier 2.2 OD MB: Medium Barrier 2.5 OD HB: High Barrier 2.8 OD	Flexible packaging, Printing & Lamination. Decorative applications. Duct insulation.
117.	PAF-1 (MO) MB			
118.	PAF-1 (MO) HB			
119.	CPF-1 (MO) NB	8, 10, 12, 15, 19, 23	Metallization on chemical surface NB: Normal Barrier 2.2 OD MB: Medium Barrier 2.5 OD HB: High Barrier 2.8 OD	Flexible packaging, Printing & Lamination. Flexible packaging. Hot fill application up to 100°C / 212°F.
120.	CPF-1 (MO) MB			
121.	CPF-1 (MO) HB			
122.	MAF-1 (MO) NB	8, 10, 12, 15, 19, 23	Metallization on special chemical surface NB: Normal Barrier 2.2 OD MB: Medium Barrier 2.5 OD HB: High Barrier 2.8 OD	
123.	MAF-1 (MO) MB			
124.	MAF-1 (MO) HB			
THICK FILM - TRANSPARENT				
125.	LHF-1/O	50,75,100	Low haze film, one side CT/both sides UT	Flower wraps, Sequins and Glitter application.
126.	NHF-O	100	Normal haze film, both sides UT	
TWIST WRAP FILM				
127.	AS TGF-1/O	18, 20, 23	Transparent film, one side anti static coating, other side with/without CT, Zero memory. *Not suitable for printing on chemical surface	Specially designed for twist wrap packaging of confectionery like candy and lollipops wrap application.
128.	TGF-1 MO	18, 20, 23	Metalized on corona treated surface. With (od 2.2) normal barrier. Excellent twist retention, Zero memory	
LIDDING FILMS				
129.	HSF-O	12, 15, 19, 23, 30	Transparent one side heat sealable PET film	Lock Seal for food trays & tack seal for pouches
130.	TLID	30/41	Transparent Lidding film, One side Sealable and other side not treated.	Universal Lidding Films Suitable for lidding application for all tray types APET, RPET, CPET, PVC, PP, HIPS. Dual ovenable Other side suitable for surface printing.
131.	TLID-AF	30	Transparent Lidding film with Antifog property, Antifog lidding films with sealent layer	
132.	MLID	30/41	Metalized Lidding Film	
133.	PSF (AF)	25	Lidding film with Antifog property. Excellent dimensional stability. Excellent Peelable Sealing Property.	Suitable for lidding application with APET, RPET, CPET & PVC. Other side suitable for surface printing.
ISOTROPIC FILM FOR LIDDING - TRANSPARENT				
134.	ITF-1/O	12, 19, 23, 36,50	Transparent film, both side untreated or one side corona treated. Balanced mechanical properties in all directions.	Designed for lidding applications.
135.	ITF-1 MO	12, 19, 23, 36,50	Metalized film, One side CT Balanced mechanical properties in all directions	

PET G High Shrink Films

S.No.	Properties	Ref.	Units	Tolerance	ASTM#/Test Method	HSPF-0					
	PHYSICAL DATA										
1.	Average Thickness		Micron	±5%	D-374-C	40	45	48	50	60	70
			Gauge			160	180	192	200	240	280
			Mils			1.6	1.8	1.9	2.0	2.4	2.8
2.	Density		g/cc	±0.02		1.27					
3.	Average Substance		g/m2			50.8	57.1	60.9	63.5	76.2	88.9
4.	Surface Tension	UT	Dynes/cm		D-2578	40-42					
5.	COF Static / Dynamic	Film/Film Film/Metal		±0.1	D-1894	0.50/0.45					
						0.35/0.30					
6.	Yield		m²/Kg	±5%	D-4321	19.69	17.50	16.40	15.75	13.12	11.24
			in²/lb			13843	12303	11530	11073	9224	7902
	OPTICAL DATA										
7.	Haze		%		D-1003	<5					
	MECHANICAL DATA										
8.	Tensile Strength	MD	Kg/cm²	±150	D-882	500	500	500	500	500	500
		TD		±500		3000	3000	3000	3000	3000	3000
9.	Elongation	MD	%	±100	D-882	500	500	500	500	500	500
		TD		±30		65	65	65	60	60	60
	THERMAL DATA										
8.	Boiling Water Shrinkage (At 98° C/30 sec)	MD	%	±2	CTM	2.0					
		TD		±3		78.0					

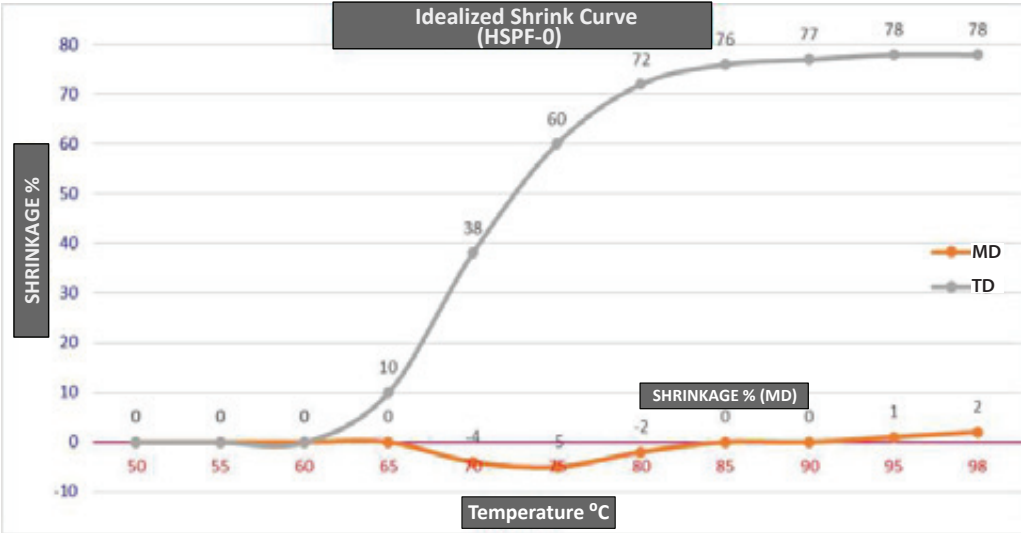
CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction BO : Untreated

- 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). **Can also be offered with 30% PCR content.**
- 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 clean room conditions as per Class 10,000.
- 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



PET G Low Shrink Force Film

S.No.	Properties	Ref.	Units	Tolerance	ASTM#/Test Method	CF-BO-HSPF(LSF)	
	PHYSICAL DATA						
1.	Average Thickness		Micron	±5%	D-374-C	40	45
			Gauge			160	180
			Mils			1.6	1.8
2.	Density		g/cc	±0.02		1.27	1.27
3.	Average Substance		g/m2			50.8	57.15
4.	Surface Tension	UT	Dynes/cm		D-2578	40-42	
5.	COF Static / Dynamic	A/B		±0.1		0.50/0.45	
6.	Yield		m2/Kg	±5%	D-4321	19.69	17.50
			in2/lb			13843	12303
	OPTICAL DATA						
7.	Haze		%		D-1003	<5	<5
	MECHANICAL DATA						
8.	Tensile Strength	MD	Kg/cm²	±150	D-882	500	500
		TD		±500		3000	3000
9.	Elongation	MD	%	±100	D-882	500	500
		TD		±30		65	65
	THERMAL DATA						
8.	Boiling Water Shrinkage (At 980 C/30 sec)	MD	%	±2	CTM	0.0	
		TD		±3		75.0	

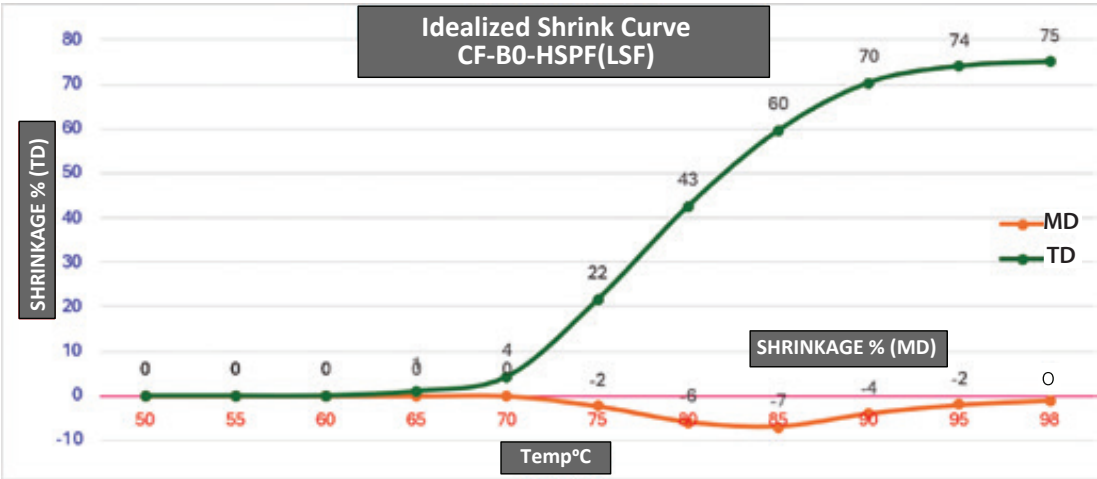
CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction BO : Untreated

- 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 clean room conditions as per Class 10,000.
- 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.
- PET G Shrink Film with Low Shrink Force suitable for empty bottles, thin walled bottles & PET bottles for Hot air tunnels

IDEALIZED SHRINK CURVE



Sustainable Shrink PET Film

S.No.	Properties	Ref.	Units	Tolerance	ASTM#/Test Method	CF-B0-SSPF			
	PHYSICAL DATA								
1.	Average Thickness		Micron	±5%	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	±0.02		1.27	1.27	1.27	1.27
3.	Average Substance		g/m2			50.8	57.15	63.5	76.2
4.	Surface Tension	UT	Dynes/cm		D-2578	40-42			
5.	COF Static / Dynamic	A/B		±0.1		0.50/0.45			
6.	Yield		m2/Kg	±5%	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	±150	D-882	500	500	500	500
		TD		±500		3000	3000	3000	3000
9.	Elongation	MD	%	±100	D-882	500	500	500	500
		TD		±30		65	65	60	60
	THERMAL DATA								
8.	Boiling Water Shrinkage (At 98° C/30 sec)	MD	%	±2	CTM	3.0			
		TD		±3		76.0			

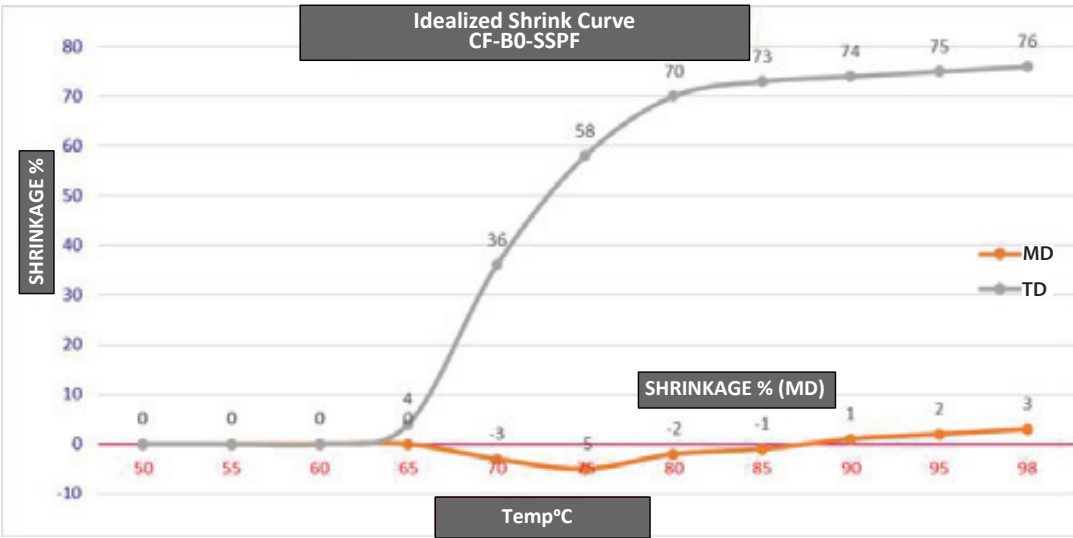
CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction B0 : Untreated

- 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 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 shrink Film is produced under clean room conditions as per Class 10,000.
- 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.
- High shrink sustainable (**76% TD Shrinkage**) film with **1.27 density** suitable for PET Bottles.

IDEALIZED SHRINK CURVE





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Germany: 2 | Mexico: 1

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