



(A business of Cosmo First Limited)

PET G HIGH SHRINK FILMS

Engineered to enhance Appeal



INDIA | AMERICAS | EUROPE | APAC

S.No.	Properties	Ref.	Units	ASTM#/Test Method	CF-SPF			
PHYSICAL DATA								
1.	Average Thickness		Microne	D-374-C	40	45	50	60
			Gauge		160	180	200	240
			Mils		1.6	1.8	2.0	2.4
2.	Density Tolerance (±) 0.02		g/cc		1.31	1.31	1.31	1.31
3.	Average Substance		g/m ²		52.4	59.9	65.5	78.6
4.	Surface Tension		Dynes/cm	D-2578	48			
5.	Kinetic COF (Max.) Static / Dynamic	A/B			0.50/0.45			
6.	Yield		m ² /Kg	D-4321	19.0	16.7	15.26	12.72
			in ² /lb		13358	11741	10728	8943
OPTICAL DATA								
7.	Haze (Max.)		%	D-1003	2.0	2.0	2.0	2.0
MECHANICAL DATA								
8.	Tensile Strength (min.)	MD	Kg/cm ²	D-882	500	500	500	500
		TD			3000	3000	3000	3000
9.	Elongation (min.)	MD	%	D-882	500	500	500	500
		TD			65	65	75	75
THERMAL DATA								
8.	Shrinkage Tolerance (±) 2%	MD	%	At 98°x30 sec. in hot water	3.0			
		TD			78.0			

CTM : Cosmo Test Method

MD : Machine Direction

TD : Transverse Direction

- 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.

FEATURES OF PET-G FILMS

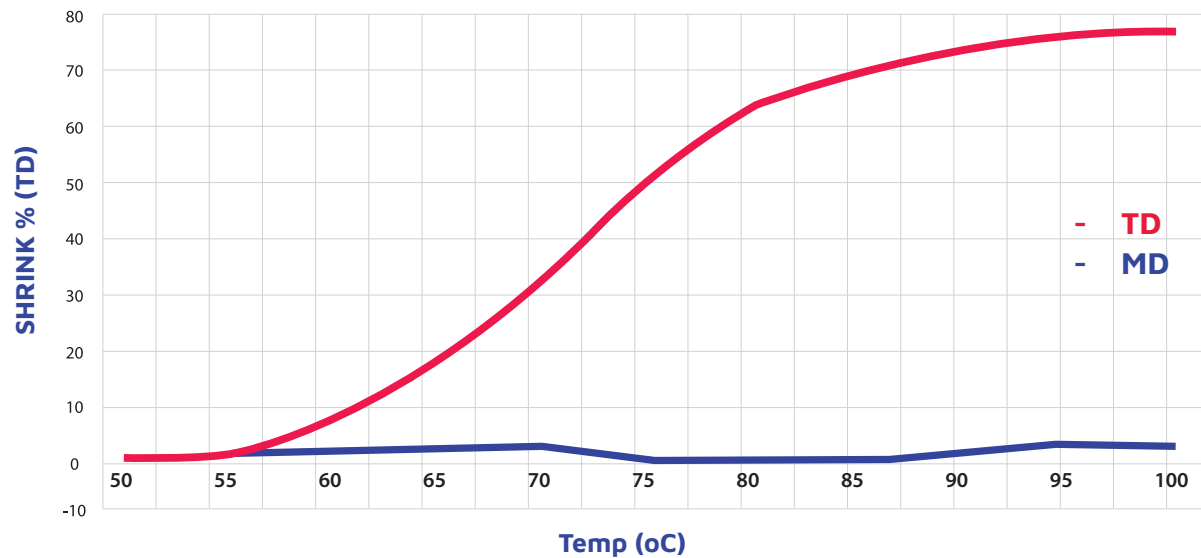
FEATURES

- Excellent and uniform heat shrinkage
- Suitable for reverse printing
- High clarity and gloss
- Excellent ink anchorage

APPLICATIONS

- Best suited for full body Shrink sleeves, Seal caps.

IDEALIZED SHRINK CURVE



STORAGE & HANDLING

- High shrink PET film should not be stored in temperature above 30°C (86°F)
 - Film should not be exposed to direct sunlight.
 - Recommended use of material within 6 months from the date of dispatch.
 - Ideal storage humidity is 40-70% RH
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- Cosmetics, Personal care, Dairy food, Beverages and Pharmaceutical packaging.

REGULATORY : Complies with US FDA, EC and REACH regulations. It also complies with sustainability requirements i.e. Single use application.



About Us

Cosmo Films is one of the businesses of Cosmo First Limited with more than 42 years into existence. Cosmo First Limited has diverse businesses including Cosmo Films, Cosmo Speciality Chemicals (Coatings, Adhesive, Masterbatches and Textile Chemicals), Cosmo Plastech (temper proof containers), Cosmo Sunshield (Window & Security Films), Zigly (D2C omnichannel Petcare brand) and Philanthropic arm Cosmo Foundation.

With manufacturing units in India & Korea and warehousing in different parts of the World, Cosmo Films is a global leader in offering specialty BOPP, BOPET & CPP films for Sustainable Packaging, Labels (shrink wrap, Face stock films, labels for injection moulded containers and wrap around), Lamination (thermal and wet lamination), Synthetic Paper, and various industrial applications. 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.



MANUFACTURING FACILITIES
India: 3 | Korea: 1

SALES OFFICES
India: 6 | US: 7 | Germany: 1 | Korea: 1 | Japan: 1

CUSTOMER FOOTPRINTS
100 Countries

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

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APAC MANUFACTURING FACILITY

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