COSMO FILMS
Engineered to Enhance

HIGH SHRINK LABEL FILMS

Engineered to enhance Appeal

INDIA | AMERICAS | EUROPE | APAC

About CPET High Shrink Label Films

Our Shrink Sleeves guarantee maximum flexibility for exceptionally shaped bottles.

Achieve the highest on-shelf impact for your brand with groundbreaking solutions for Label Packaging.

Benefits of Shrink Sleeves:

- Premium Appearance: Highlights the quality of the product
- Versatile: Adapts to nearly any shape
- Protective: Shields the product’s surface
- Reliable: Prevents color migration

ADVANTAGES OF HIGH SHRINK PET FILMS

Full-Body Sleeve Labels

Heat-Resistant Property

Hight Transparency and Gloss

Recyclable

HIGH SHRINK CPET FILM

Properties	Ref.	Units	Tolerance	ASTM#/Test Method	CF-BO-HSPF (C)			
Physical Data								
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
Density		g/cc	± 0.02		1.27	1.27	1.27	1.27
Average Substance		g/m^2			50.8	57.15	63.5	76.2
Surface tension	UT	dynes/cm		D-2578	40 - 42			
Kinetic COF Static / Dynamic	A/B		±0.1		0.50/0.45			
Yield		m^2/Kg		D-4321	19.69	17.50	15.75	13.12
		in^2/lb			13843	12303	11073	9224
Optical Data								
Haze		%		D-1003	<5	<5	<5	<5
Mechanical Data								
Tensile Strength	MD	kg/cm^2	±150	D-882	500	500	500	500
	TD		±500		3000	3000	3000	3000
Elongation	MD	%	±100	D-882	500	500	500	500
	TD		±30		65	65	60	60
Thermal Data								
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 BO : Untreated

Disclaimer: The information provided above is based on COSMO FILMS conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.

- 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 HIGH SHRINK CPET FILMS

FEATURES

- Excellent and uniform heat shrinkage
- Excellent Clarity, Transparency and gloss This film is suitable for reverse printing
- Excellent encouragement of ink (specially de-inking inks used)
- Easy Recyclable with PET bottles
- Regular shrink force

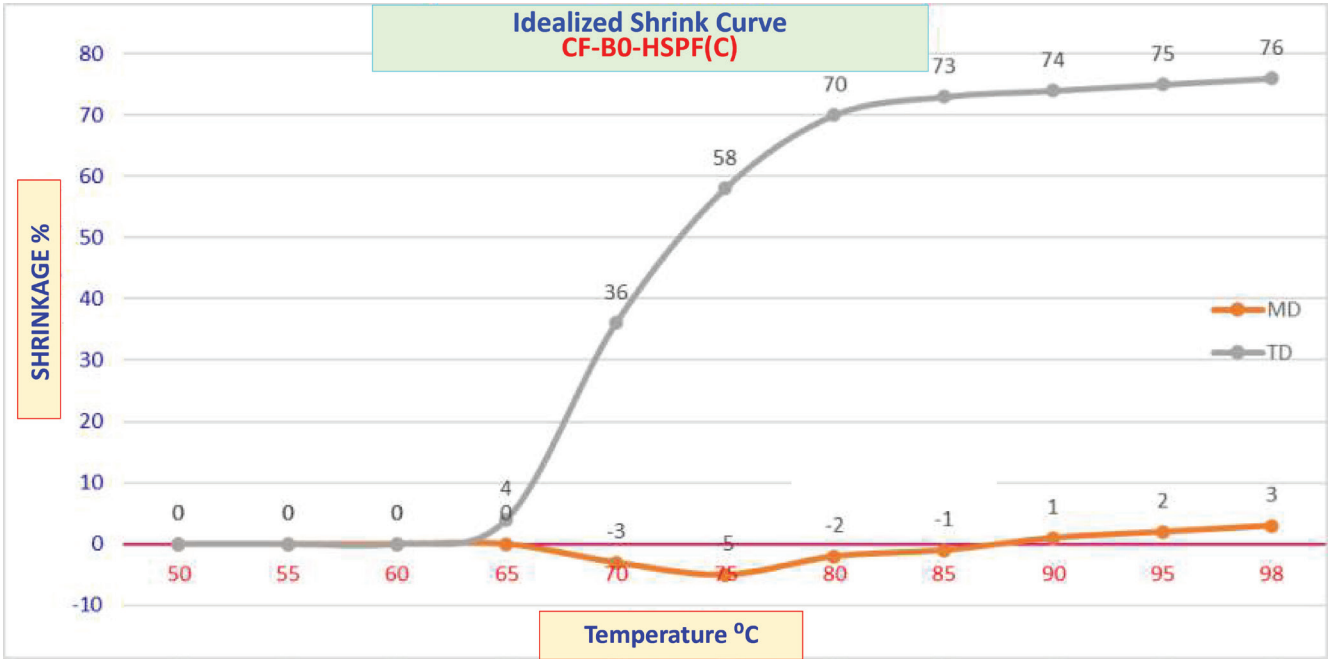
APPLICATIONS

- Full body shrink sleeves for regular shaped containers.

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
- Cosmetics, Personal care, Dairy food, Beverages and Pharmaceutical packaging.

IDEALIZED SHRINK CURVE



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

HIGH SHRINK PET FILM

Properties	Ref.	Units	Tolerance	ASTM#/Test Method	CF-BO-HSPF			
Physical Data								
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
Density		g/cc	± 0.02		1.27	1.27	1.27	1.27
Average Substance		g/m^2			50.8	57.15	63.5	76.2
Surface tension	UT	dynes/cm		D-2578	40 - 42			
Kinetic COF Static / Dynamic	A/B		±0.1		0.50/0.45			
Yield		m^2/Kg		D-4321	19.69	17.50	15.75	13.12
		in^2/lb			13843	12303	11073	9224
Optical Data								
Haze		%		D-1003	<5	<5	<5	<5
Mechanical Data								
Tensile Strength	MD	kg/cm^2	±150	D-882	500	500	500	500
	TD		±500		3000	3000	3000	3000
Elongation	MD	%	±100	D-882	500	500	500	500
	TD		±30		65	65	60	60
Thermal Data								
Boiling Water Shrinkage (At 98°C/30 Sec)	MD	%	±2	CTM	2.0			
	TD		±3		78.0			

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FEATURES OF HIGH SHRINK PET FILMS

FEATURES

- Excellent and uniform heat shrinkage
- Suitable for reverse printing
- High clarity and gloss
- Excellent ink anchorage
- TD 78% MD 2%

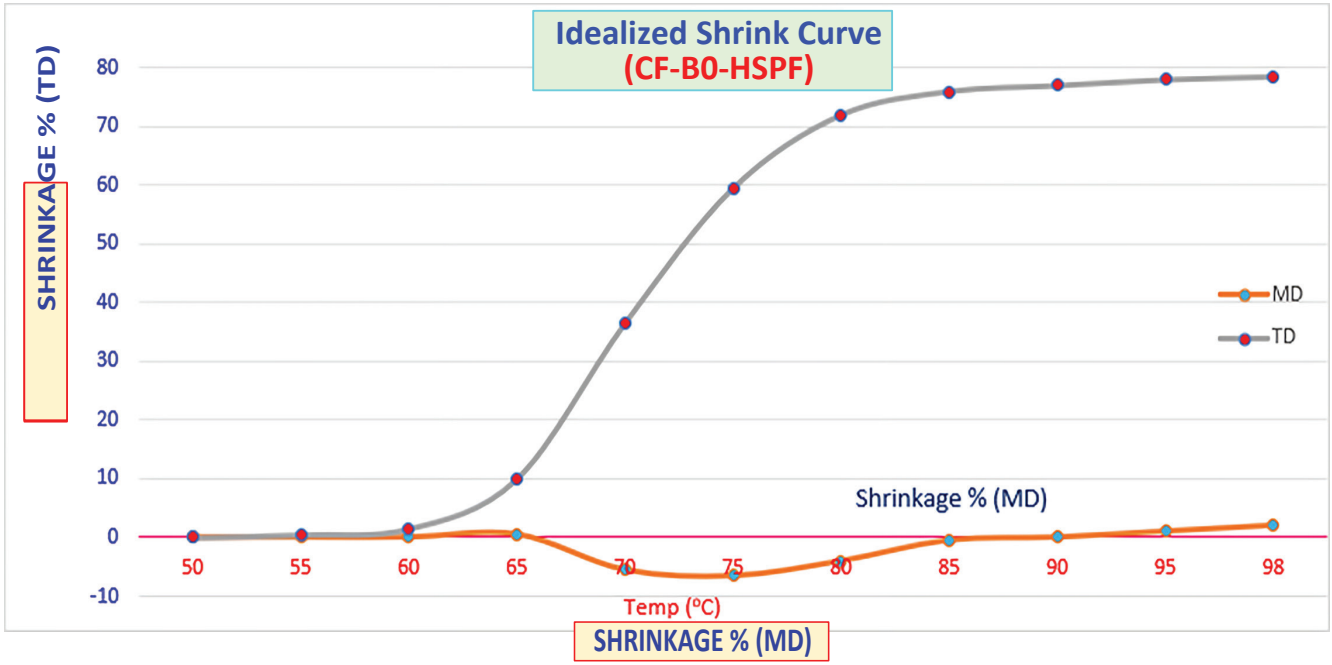
APPLICATIONS

- Full body shrink sleeves for regular shaped containers.

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
- Cosmetics, Personal care, Dairy food, Beverages and Pharmaceutical packaging.

IDEALIZED SHRINK CURVE



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

MEDIUM SHRINK PET FILM

Properties	Ref.	Units	Tolerance	ASTM#/Test Method	CF-BO-MSPF	
Physical Data						
Average Thickness		micron	± 5%	D-374-C	40	45
		gauge			160	180
		mils			1.6	1.8
Density		g/cc	± 0.02		1.27	1.27
Average Substance		g/m^2			50.8	57.15
Surface tension	UT	dynes/cm		D-2578	40 - 42	
Kinetic COF Static / Dynamic	A/B		±0.1		0.50/0.45	
Yield		m^2/Kg		D-4321	19.69	17.50
		in^2/lb			13843	12303
Optical Data						
Haze		%		D-1003	<5	<5
Mechanical Data						
Tensile Strength	MD	kg/cm^2	±150	D-882	500	500
	TD		±500		3000	3000
Elongation	MD	%	±100	D-882	500	500
	TD		±30		65	65
Thermal Data						
Boiling Water Shrinkage (At 98°C/30 Sec)	MD	%	±2	CTM	-5.0	
	TD		±3		66.0	

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- Vacuum & Twin-screw extrusion technology restricting polymer degradation compared to old technology.

FEATURES OF MEDIUM SHRINK PET FILMS

FEATURES

- Excellent and uniform heat shrinkage
- Suitable for reverse printing
- High clarity and gloss
- Excellent ink anchorage
- Suitable for steam & hot air
- TD 66% MD – 5%
- High gloss & Low haze

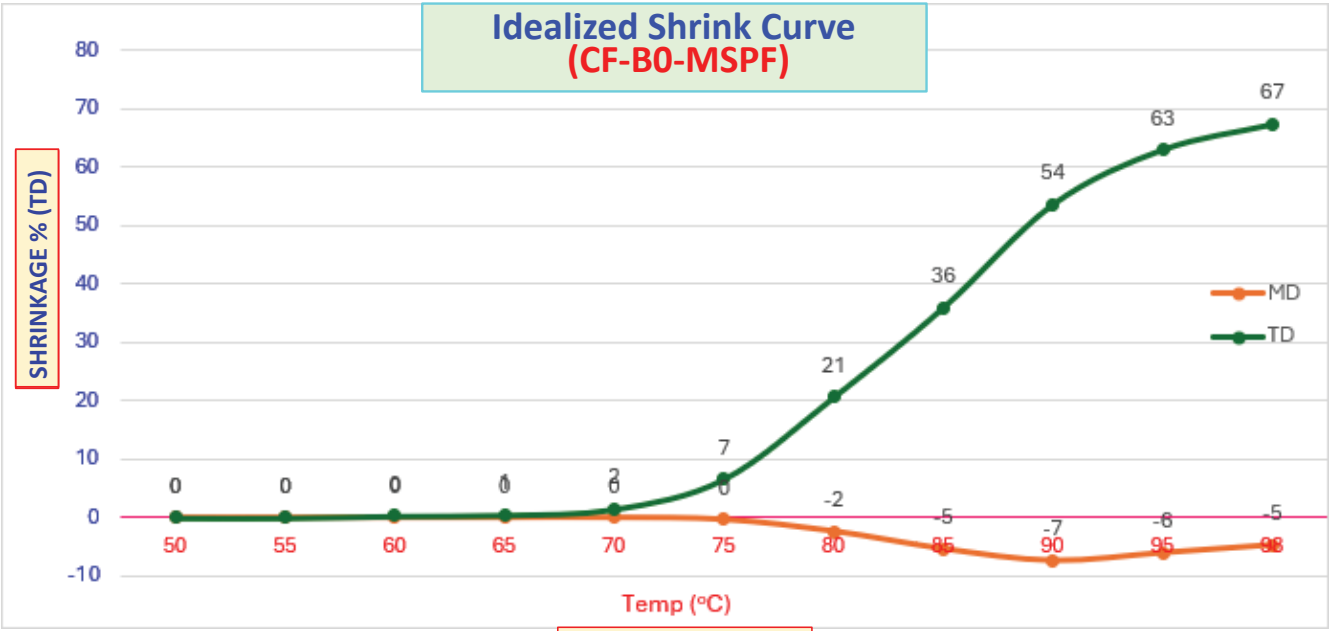
STORAGE & HANDLING

- Meduim 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

APPLICATIONS

- For replacement of PVC film where Low TD shrinkage of around 66% is required.
- Cosmetics, Personal care, Dairy food, Beverages and Pharmaceutical packaging.

IDEALIZED SHRINK CURVE



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

HIGH SHRINK PET FILM
WITH LOW SHRINK FORCE

Properties	Ref.	Units	Tolerance	ASTM#/Test Method	CF-BO-HSPF(LSF)	
Physical Data						
Average Thickness		micron	± 5%	D-374-C	40	45
		gauge			160	180
		mils			1.6	1.8
Density		g/cc	± 0.02		1.27	1.27
Average Substance		g/m^2			50.8	57.15
Surface tension	UT	dynes/cm		D-2578	40 - 42	
Kinetic COF Static / Dynamic	A/B		±0.1		0.50/0.45	
Yield		m^2/Kg		D-4321	19.69	17.50
		in^2/lb			13843	12303
Optical Data						
Haze				D-1003	<5	<5
Mechanical Data						
Tensile Strength	MD	kg/cm^2	±150	D-882	500	500
	TD		±500		3000	3000
Elongation	MD		±100	D-882	500	500
	TD		±30		65	65
Thermal Data						
Boiling Water Shrinkage (At 98°C/30 Sec)	MD		±2	CTM	0.0	
	TD		±3		75.0	

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- 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 HIGH SHRINK PET FILMS
WITH LOW SHRINK FORCE

FEATURES

- Excellent and uniform heat shrinkage
- Suitable for reverse printing
- High clarity and gloss
- Excellent ink anchorage
- TD 75% MD 0.0%

APPLICATIONS

- For containers which cannot withstand high pressure during shrinkage e.g. HDPE, LDPE containers.

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.
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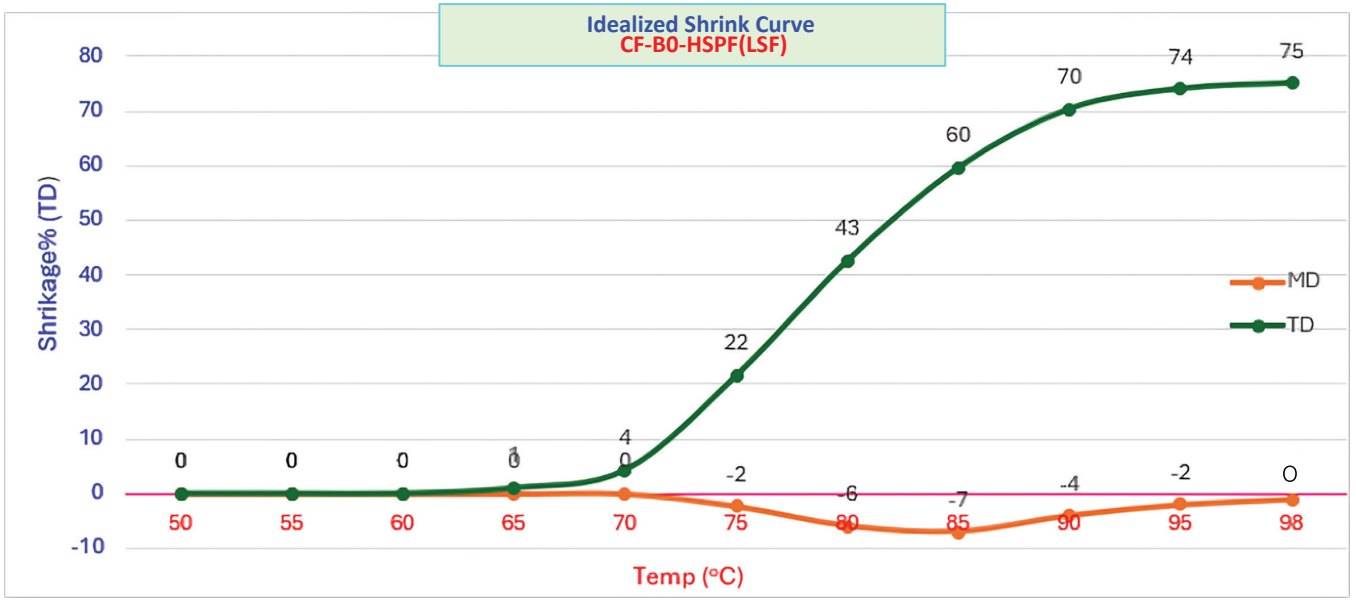
- Ideal storage humidity is 40-70% RH
- Cosmetics, Personal care, Dairy food, Beverages and Pharmaceutical packaging.

IDEALIZED SHRINK CURVE



SHRINKAGE % (MD)

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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.

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COSMO FILMS
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India: 3

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

SALES OFFICES
India: 6 | US | Germany | Korea
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