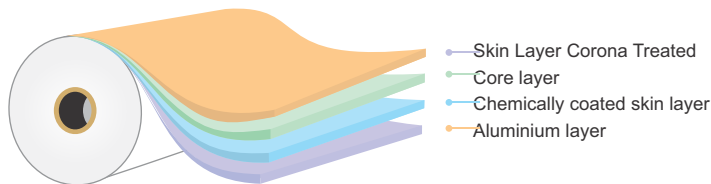


BOPET-Metallized Film

CPF-1(MO)

Typical Values

Structure



Description

CPF-1(MO) is a co-extruded, metallized BOPET film. Metallization on chemical coated side and other side corona treated. The films have superior gloss when metallized on optically clear base film. The film is available with optical density ranging from 2.2 - 2.8. The metal bond between the metal and the film is minimum of 450 gm/inch, when metallized on the Chemical Coated surface.

** "Film is not suitable for hot fill, sterilization or pasteurization".

Features

- Excellent gloss
- Good barrier properties
- Excellent for printing and lamination
- Excellent machinability & handling properties
- Excellent metal bond strength when metallized on the chemical surface

Applications

- Flexible Packaging
- Lamination
- Decorative applications

Properties	Ref.	Units	ASTM#/Test Method	CPF-1(MO)					
Physical Data									
Average Thickness		micron	D-374-C	8	10	12	15	19	23
		gauge		32	40	48	60	76	92
		mils		0.3	0.4	0.5	0.6	0.7	0.9
Density		g/cc	D-1505	1.4	1.4	1.4	1.4	1.4	1.4
Average Substance		g/m ²		11.2	14.0	16.80	21.0	26.6	32.2
Yield		m ² /Kg	D-4321	89.29	71.43	59.52	47.62	37.59	31.06
		in ² /lb		62774	50219	41849	33480	26431	21834
Optical Data									
Optical Density Tolerance +/- 5% (*Customer to specify the OD value as per their application)	NB		CTM	2.2 - Normal barrier application					
	MB			2.5 - High barrier application					
	HB			2.8 - Special application					
Mechanical Data									
Tensile Strength (min.)	MD	kg/ cm ²	D-882	2000	2000	2000	2000	2000	2000
	TD			2100	2100	2100	2100	2100	2100
Elongation (min.)	MD	%	D-882	90	100	105	110	115	120
	TD			85	90	90	90	90	95
Thermal Data									
Linear Shrinkage (Max.) (150°C/302 F, 30 min.)	MD	%	D-1204	2.0					
	TD			0.4					
Surface Data									
Surface tension (min.)	MS	dynes/cm	D-2578	60					
Kinetic COF (Max.)	MS/NM	-	D-1894	0.7					
Barrier Data									
MVTR (38 °C, 90%RH)		g/m ² /day	F-1249	NB	MB		HB		
				1.1	0.8		0.6		
MVTR (100 °F, 90%RH)		g/100in ² /day	D-3985	0.07	0.05		0.04		
OTR (23 °C, 0%RH)		cc/m ² /day		1.2	1.0		0.8		
OTR (73 °F, 0%RH)		cc/100in ² /day		0.07	0.06		0.05		

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction CT : Corona Treated CS : Coated Side UT : Untreated
MS : Metal Side NM: Non-metal side

Note : PET film inherent surface tension is minimum 42 dynes/cm on untreated side

Storage & Handling : PET film needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, sources or high humidity.
If the material is stored in the recommended conditions PET is suitable for use within 6 months from the date of dispatch.

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.

Cosmo Films

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