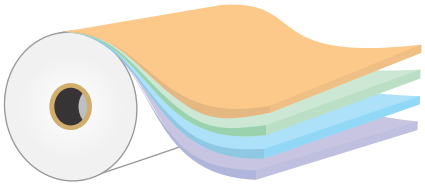
COSMO FILMS
Engineered to Enhance

Technical Data Sheet

BOPET- UV Offset Printing For Board Lamination

CF-BLF (MO)

Structure



Description

CF-BLF-MO is a co-extruded, metallized BOPET film. Metallization on corona treated surface and other side is always modified chemically pre-treated for UV offset printing application. The metal bond between the metal and film is minimum of 150 gm/inch when metallized on the Corona Treated surface.

Features

- Excellent Machinability & handling properties
- Excellent for board lamination
- Suitable for UV offset ink printing on coated surface side
- Very good treatment retention on coated surface side
- Lamination on metallized surface side

Applications

- This film is specially designed for UV offset printing on chemically coated side. Film is majorly use in box/board lamination.

Typical Values

Properties	Ref.	Units	ASTM#/Test Method	CF-BLF (MO)		
Physical Data						
Average Thickness		micron	D-374-C	8	10	12
		gauge		32	40	48
		mils		0.3	0.4	0.5
Density		g/cc	D-1505	1.4	1.4	1.4
Average Substance		g/m^2		11.2	14.0	16.8
Yield		m^2/Kg	D-4321	89.29	71.43	59.52
		in^2/lb		62774	50219	41849
Optical Data						
Optical Density Tolerance +/- 5%	NB		CTM	2.2 - Normal barrier application		
Mechanical Data						
Tensile Strength (min.)	MD	kg/cm^2	D-882	2000	2100	2100
	TD			2100	2200	2200
Elongation (min.)	MD	%	D-882	90	100	115
	TD			85	90	95
Thermal Data						
Linear Shrinkage (Max.) (105°C/221°F, 30 min.)	MD	%	D-1204	1.6		
	TD			0.6		
Surface Data						
Surface tension (min.)	MS	dynes/cm	D-2578	56		
COF Kinetic (Max.)	MS/NM		D-1894	0.7		
Barrier Data						
MVTR (38 °C, 90%RH)		$g/m^2/day$	F-1249	1.2	1.1	1.0
MVTR (100 °F, 90%RH)		$g/100in^2/day$		0.07	0.07	0.06
OTR (23 °C, 0%RH)		$cc/m^2/day$	D-3985	1.4	1.2	1.1
OTR (73 °F, 0%RH)		$cc/100in^2/day$		0.09	0.07	0.07

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 e 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.

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