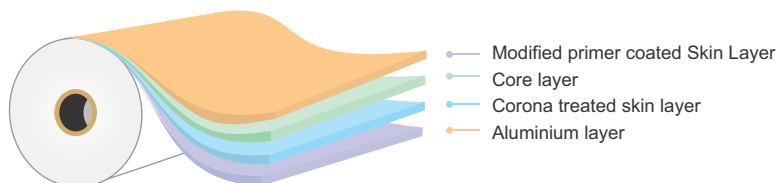


# BOPET-Metallized Film

## BLF-1(MO)

### Structure



### Description

BLF-1(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	BLF-1(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 <sup>2</sup>		11.2	14.0	16.8
Yield		m <sup>2</sup> /Kg	D-4321	89.29	71.43	59.52
		in <sup>2</sup> /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 <sup>2</sup>	D-882	2000	2000	2000
	TD			2100	2100	2100
Elongation (min.)	MD	%	D-882	90	100	115
	TD			85	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	56		
COF Kinetic (Max.)	MS/NM		D-1894	0.7		
Barrier Data						
MVTR (38 °C, 90%RH)		g/m <sup>2</sup> /day	F-1249	1.2	1.1	1.0
MVTR (100 °F, 90%RH)		g/100in <sup>2</sup> /day		0.07	0.07	0.06
OTR (23 °C, 0%RH)		cc/m <sup>2</sup> /day	D-3985	1.4	1.2	1.1
OTR (73 °F, 0%RH)		cc/100in <sup>2</sup> /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 be exposed to direct sunlight, sources of 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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