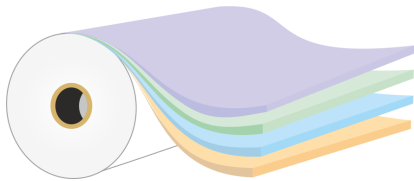


Metallised CPP Film With High Barrier and High Metal Bond

HST-1(BIL) MO CPP

Structure



- Aluminium Layer
- Corona Treated Metallizable Layer
- Transparent PP Core Layer
- Sealable Untreated Layer

Description

It is a clear metallised cast polypropylene film with high oxygen & moisture barrier characteristics.

Features

- High oxygen, moisture and light barrier
- Good aroma and flavor barrier
- High metal bond strength
- Suitable for extrusion/adhesive lamination
- Low & stable COF
- Excellent sealing strength

Applications

- Biscuits, cookies and crackers
- Confectionery, snacks and chips

Typical values

Properties	Ref.	Units	ASTM# / Test Method	HST-1(BIL) MO CPP	
Physical Data					
Average Thickness		Micron	D-374-C	22	25
		Gauge		88	100
		Mils		0.9	1.0
Thickness Variation		%(±)		5	
Density		g/cc		0.91	
Average substance		g/m ²		20.0	22.7
Kinetic COF	UT-UT		D-1894	0.30-0.6	
	UT-MT			0.25-0.4	
Yield		m ² /Kg	D-4321	50.0	44.1
		in ² /lb		35154	30972
Optical Data					
Optical Density			CTM	2.7 (±0.2)	
Mechanical Data					
Tensile Strength	MD	kg/cm ²	D-882	550 - 700	
	TD			200 - 300	
Elongation	MD	%	D-882	600 - 700	
	TD			700 - 800	
Thermal Data					
Heat Seal Strength(130 °C /266 °F, 2.0 bar-1.0 sec.)		g/25mm	CTM	1800 - 2000	2100 -2400
Metal Bond Strength		g/25 mm	CTM	240 (±20)	
Barrier Data					
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	< 0.50	
OTR (23°C, 0% RH)		cc/m ² /day	D-3985	< 50.0	

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction UT : Untreated MT : Metal

Disclaimer : The information provided above is based on COSMO FILMS LTD's 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

Storage condition : Storage temperature to be maintained 25 Deg.C (+/-5 Deg C) & relative humidity 55% (+/-5%) to avoid accelerated reduction of surface treatment level.

Note : Treatment values in metallized films tend to decay over a period of time during transportation & subjected to storage conditions, hence it is recommended to check the treatment prior to processing & if reduction is observed then go for online treatment, high adhesive GSM & a suitable primer may be applied.

Cosmo Films Limited