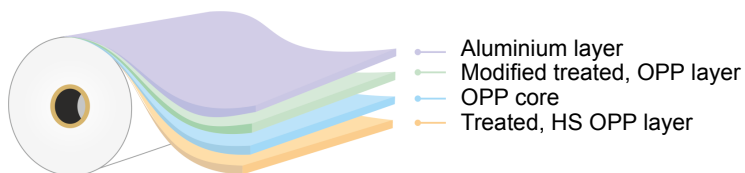


Barrier Film Metallised, High Moisture & Oxygen Barrier

HST-2(HMB) MO

Structure



Description

It is a co-extruded, one side metallised and other side treated heat sealable Bi-axially Oriented Polypropylene film.

Features

- High moisture & oxygen barrier
- Outstanding metal appearance
- Good metal adhesion to film
- Good lamination bond with other substrates e.g (PE, PP, PET)

Applications

- Sandwich lamination
- As a lamination for chocolates, biscuits, dry powder, multilayer sachets etc.

Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-2(HMB) MO
Physical Data				
Average Thickness		Micron	D-374-C	15
		Gauge		60
		Mils		0.6
Thickness Variation		%(±)		3
Density		g/cc		0.905
Average substance		g/m ²		13.57
Surface Tension(min)	Both Side	dynes/cm	D-2578	38
Kinetic COF	NM-NM		D-1894	0.35-0.50
Yield		m ² /Kg	D-4321	73.7
		in ² /lb		51811
Optical Data				
Optical Density			CTM	2.0-2.2
Mechanical Data				
Tensile Strength	MD	kg/cm ²	D-882	1200-1500
	TD			2400-2800
Elongation	MD	%	D-882	130-180
	TD			30-80
Thermal Data				
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	2.0-4.0
	TD			1.0-3.0
Heat Seal Strength (min.)		g/25 mm	CTM	400
Lamination Bond	PE	g/25 mm	CTM	150
Barrier Data				
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<0.25
OTR (23°C, 0% RH)		cc/m ² /day	D-3985	<30

CTM : Cosmo Test Method

MD : Machine Direction

TD : Transverse Direction

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 metalized 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.

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