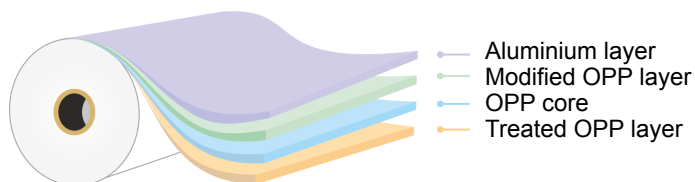


Barrier Film, Metallised With Exceptional Barrier, For Sandwich Lamination

HST-2(UHB) MO

Structure



Description

It is a clear metallised Bi-axially Oriented Polypropylene film with exceptional oxygen & moisture barrier characteristics. It can be treated as highly attractive alternate for Aluminum foil for the construction of high barrier laminating structures.

Features

- Exceptional oxygen, moisture and light barrier
- Outstanding aroma and flavor barrier
- Very good puncture resistance
- Grease resistance
- Suitable for both extrusion/adhesive lamination
- Suitable for Cold seal adhesive receptive on non metal side

Applications

- Sensitive dry foods like baby powder, cereals, dry mixes, dehydrated food and coffee
- Sensitive biscuits, cookies and crackers
- Confectionery, snacks and chips
- Health and beauty care, Pet food

Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-2(UHB) MO	
Physical Data					
Average Thickness		Micron	D-374-C	15	18
		Gauge		60	72
		Mils		0.6	0.7
Thickness Variation		%(±)		3	
Density		g/cc		0.93	
Average substance		g/m ²		13.95	16.74
Kinetic COF	NM-NM		D-1894	0.35 - 0.45	
Yield		m ² /Kg	D-4321	71.6	59.7
		in ² /lb		50396	41973
Optical Data					
Optical Density			CTM	2.4 - 2.6	
Mechanical Data					
Tensile Strength	MD	kg/cm ²	D-882	1300 -1500	
	TD			2600 -2800	
Elongation	MD	%	D-882	150 -190	
	TD			40 -70	
Thermal Data					
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	2.0 - 4.0	
	TD			1.0 - 3.0	
Barrier Data					
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	< 0.1	
MVTR (100 °F,90%RH)		g/100 in ² /day	F-1249	<0.006	
OTR (23°C, 0% RH)		cc/m ² /day	D-3985	< 0.1	
OTR (73°F, 0% RH)		cc/100 in ² /day	D-3985	<0.006	

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction 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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