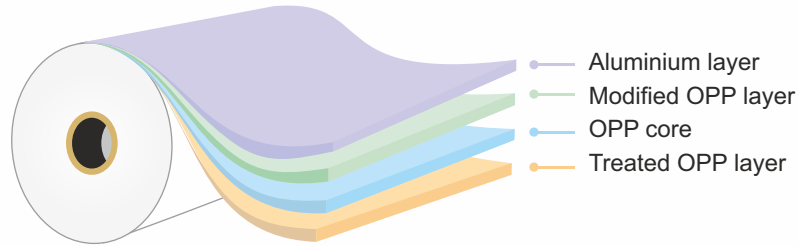


Barrier Film, Metallised With Superior Barrier, For Sandwich Lamination

HST-2 (SB) MO

Structure



Description

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

Features

- Superior 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 (SB) MO
Physical Data				
Average Thickness		micron	D-374-C	18
		gauge		72
		mils		0.7
Thickness Variation		% (±)		3
Density		g/cc		0.905
Average Substance		g/m ²		16.3
Kinetic COF	NM-NM		D-1894	0.35 - 0.45
Yield		m ² /kg	D - 4321	61.4
		in ² /lb		43168
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, 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	< 0.2
MVTR (100 °F, 90%RH)		g/100in ² /day	F-1249	< 0.012
OTR (23 °C, 0%RH)		cc/m ² /day	D-3985	< 0.2
OTR (73 °F, 0%RH)		cc/100in ² /day	D-3985	< 0.012

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction LTS : low temperature sealing NM : Non-Metallised
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.

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