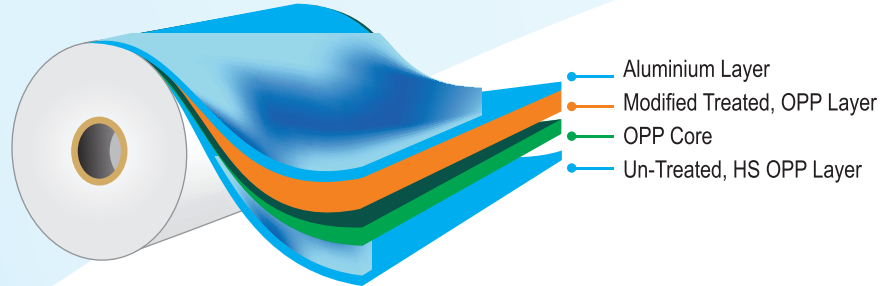


METALLISED HEAT SEALABLE FILM (METALLISED OXO-BIODEGRADABLE FILM)

HST-1 (OBD) MO

Structure



Description

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

Features

- OXO-biodegradable within 2 to 2.5 years
- Outstanding metal appearance
- Excellent metal adhesion to film
- Very Good barrier to moisture and light
- Good gas barrier
- High heat seal strength

Applications

- As a single web or a laminate for snack food packaging application
- Inner seal web in multi-layer laminate

Typical Values

Properties	Ref.	Units	Astm # / Test Method	HST-1 (OBD) MO		
Physical Data						
Average Thickness		micron	D-374-C	15	18	20
		gauge		59.06	70.87	78.74
		mils		0.59	0.71	0.79
Thickness Variation		% (±)		3		
Density		g/cc		0.905		
Average Substance		g/m ²		13.58	16.29	18.10
Kinetic COF	UT-UT		D-1894	0.25-0.35		
Yield		m ² /Kg	D-4321	73.66	61.39	55.25
Optical Data						
Optical Density			CTM	2.0 - 2.3		
Mechanical Data						
Tensile Strength	MD	kg/ cm ²	D-882	1200 - 1500		
	TD			2500 - 2800		
Elongation	MD	%	D-882	140 - 190		
	TD			30 - 70		
Thermal Data						
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	3.0 - 5.0		
	TD			1.0 - 3.0		
Seal Initiation Temp.		°C	CTM	105		
Heat Seal Strength		g/25 mm	CTM	400	425	450
Barrier Data						
MVTR (38 °C, 90%RH)		g/m ² /day	F-1249	0.8	0.7	0.7
OTR (23 °C, 0%RH)		cc/m ² /24	D-3985	<100	<100	<90

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

Cosmo Films Limited

B-14/8-9, MIDC, Waluj, Aurangabad 431136 (MS) India. T : +91 240 2554611-14 E : info.abad@cosmofilms.com
Corp. Office : 1008, DLF Tower - A, Jasola District Center, New Delhi 110 025 India. T : +91 11 4949 4949 / 34 E : info.del@cosmofilms.com