

Printing & Pouching Film Metallised, Oxo Biodegradable, Heat Sealable

HST-1(OBD) MO

Structure



- Aluminium Layer
- Modified Treated, OPP Layer
- OPP Core
- Un-Treated, HS OPP Layer

Description

It is a coextruded, 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 laminate for snack food packaging application
- Inner seal web in multi-layer laminate

Special Instruction

Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-1(OBD) 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
Kinetic COF	UT-UT		D-1894	0.25-0.35
Yield		m ² /Kg	D-4321	73.7
		in ² /lb		51816
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				
Seal Initiation Temperature		°C / °F	CTM	105 / 221
Heat Seal Strength(135 °C /275 °F, 2.0 bar-0.5 sec.)		g/25mm	CTM	400
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	3.5 - 4.5
	TD			1.0 - 2.0
Barrier Data				
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<0.8
OTR (23°C, 0% RH)		cc/m ² /day	D-3985	<100

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction NM : Non Metal side
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. # SIT & Heat seal strength is mentioned for NM - NM

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