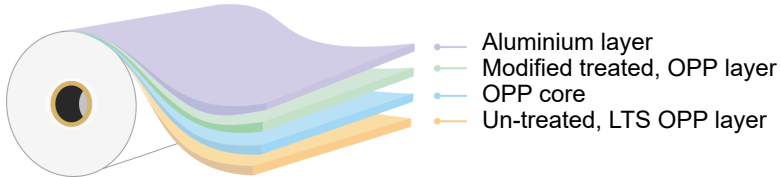


Printing & Pouching Film Metalized, Heat Sealable

HST-1 (EL) MO T105

Structure



Description

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

Features

- Outstanding metal appearance
- Excellent metal adhesion to film
- Very Good barrier to moisture and light
- Good gas barrier
- Broad seal range
- High heat seal strength
- Suitable for cold seal coating

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 (EL) MO T105		
Physical Data						
Average Thickness		Micron	D-374-C	15	18	20
		Gauge		60	72	80
		Mils		0.6	0.7	0.8
Thickness Variation		%(±)		3		
Density		g/cc		0.905		
Average substance		g/m ²		13.5	16.2	18.1
Kinetic COF	F-M		D-1894	<0.3		
Yield		m ² /Kg	D-4321	73.6	61.4	55.2
		in ² /lb		51745	43168	38809
Optical Data						
Optical Density			CTM	2.0 - 2.3		
Mechanical Data						
Tensile Strength	MD		D-882	1200 - 1500		
	TD			2400 - 2800		
Elongation	MD	%	D-882	140 - 200		
	TD			30 - 80		
Thermal Data						
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	3.0 - 5.0		
	TD			0.5 - 2.5		
Seal Initiation Temperature		°C / °F	CTM	105 / 221		
SIT Variation (±)		°C/°F	CTM	3		
Heat Seal Strength (min.)		g/25 mm	CTM	400	425	450
Barrier Data						
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<0.5	<0.45	<0.45
MVTR (100 °F,90%RH)		g/100 in ² /day	F-1249	<0.03	<0.02	<0.02
OTR (23°C, 0% RH)		cc/m ² /day	D-3985	<100	<100	<90
OTR (73°F, 0% RH)		cc/100 in ² /day	D-3985	<6.4	<6.4	<5.8

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction F: Film M: Metal

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

Cosmo Films Limited

1st Floor, Uppal's Plaza, M-6 Jasola District Centre, New Delhi - 110025, India, T: + 91-11-49 49 49 49,

E-mail: sales.enquiry@cosmofilms.com | www.cosmofilms.com