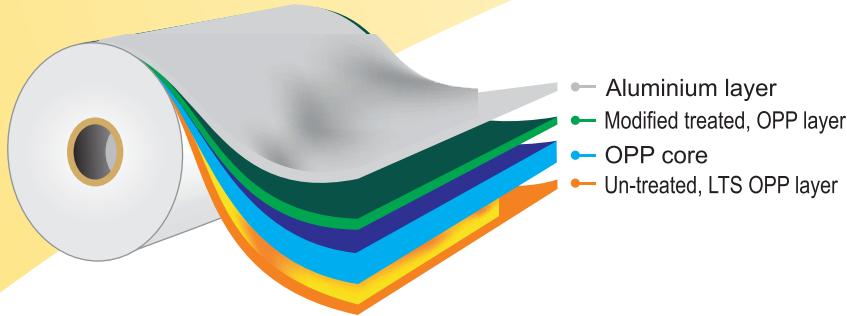


Metallised Low Temperature Heat Sealable Film

HST-1 (M0) 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

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 (M0) T105						
Physical Data										
Average Thickness		micron	D-374-C	15	18	20	25	30	35	40
		gauge		59.06	70.87	78.74	98.42	118.11	137.80	157.48
		mils		0.59	0.71	0.79	0.98	1.18	1.38	1.57
Thickness Variation		%(±)		3						
Density		g/cc		0.905						
Average Substance		g/m ²		13.58	16.29	18.10	22.62	27.15	31.68	36.2
Kinetic COF	UT-UT		D-1894	0.25 – 0.35						
Yield		m ² /kg	D-4321	73.66	61.39	55.25	44.19	36.83	31.57	27.62
Optical Data										
Optical Density			CTM	2.0 - 2.3						
Mechanical Data										
Tensile Strength	MD	kg/ cm ²	D-882	1200 - 1500						
	TD			2400 - 2800						
Elongation	MD	%	D-882	130 - 180						
	TD			30 - 80						
Thermal Data										
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	2.0 - 4.0						
	TD			1.0 - 3.0						
Seal Initiation Temp.		°C	CTM	105						
Heat Seal Strength		g/25mm	CTM	400	425	450	475	500	525	550
Barrier Data										
MVTR (38 °C, 90%RH)		g/m ² /day	F-1249	<0.5	<0.45	<0.45	<0.40	<0.35	<0.30	<0.25
OTR (23 °C, 0%RH)		cc/m ² /24	D-3985	<100	<100	<90	<90	<85	<80	<80

CTM : Cosmo Test Method 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.

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