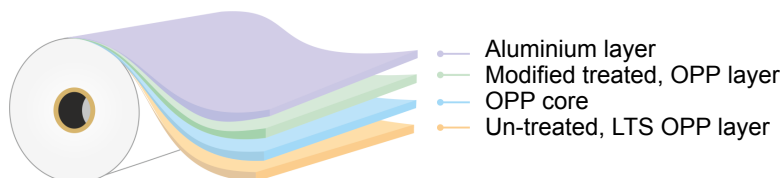


# Printing & Pouching Film Metalized, Heat Sealable

## HST-1(MO) T105

### Structure



- Aluminium layer
- Modified treated, OPP layer
- OPP core
- Un-treated, LTS OPP layer

### 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(MO) T105				
<b>Physical Data</b>								
Average Thickness		Micron	D-374-C	15	18	20	25	30
		Gauge		60	72	80	100	120
		Mils		0.6	0.7	0.8	1.0	1.2
Thickness Variation		%(±)		3				
Density		g/cc		0.905				
Average substance		g/m <sup>2</sup>		13.5	16.2	18.1	22.6	27.1
Kinetic COF	UT-UT		D-1894	0.30-0.40				
Yield		m <sup>2</sup> /Kg	D-4321	73.6	61.4	55.2	44.2	36.9
		in <sup>2</sup> /lb		51745	43168	38809	31075	25943
<b>Optical Data</b>								
Optical Density			CTM	2.0-2.3				
<b>Mechanical Data</b>								
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	1200-1500				
	TD			2400-2800				
Elongation	MD	%	D-882	140-200				
	TD			30-80				
<b>Thermal Data</b>								
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				
Heat Seal Strength (min.)		g <sup>2</sup> /5 mm	CTM	400	425	450	475	500
<b>Barrier Data</b>								
MVTR (38°C, 90% RH)		g/m <sup>2</sup> /day	F-1249	<0.5	<0.45	<0.45	<0.40	<0.35
MVTR (100 °F,90%RH)		g/100 in <sup>2</sup> /day	F-1249	<0.03	<0.02	<0.02	<0.02	<0.02
OTR (23°C, 0% RH)		cc/m <sup>2</sup> /day	D-3985	<100	<100	<90	<90	<85
OTR (73°F, 0% RH)		cc/100 in <sup>2</sup> /day	D-3985	<6.4	<6.4	<5.8	<5.8	<5.4

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

**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 :** mentioned Seal initiation temp. & heat seal strength is at non metal side. \* 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.

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