

# Printing & Lamination Film Metallised, Non-Heat Sealable, Pearlised

## HST-2 (PL) MO

### Structure



### Description

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

### Features

- Outstanding shiny metal appearance
- Pearllent look
- Low density and high yield
- Excellent adhesion of aluminum to film
- Improved barrier to normal and UV Light
- Excellent machinability

### Applications

- General purpose printing and lamination
- Ideal for snack food and confectionery packaging

### Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-2 (PL) MO
<b>Physical Data</b>				
Average Thickness		Micron	D-374-C	25
		Gauge		100
		Mils		1.0
Thickness Variation		%(±)		5
Density		g/cc		0.7
Average substance		g/m <sup>2</sup>		17.5
Kinetic COF	UT-UT		D-1894	0.40-0.50
Yield		m <sup>2</sup> /Kg	D-4321	57.1
		in <sup>2</sup> /lb		40145
<b>Optical Data</b>				
Optical Density			CTM	2.6-2.8
<b>Mechanical Data</b>				
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	550-850
	TD			1000-1400
Elongation	MD	%	D-882	130-180
	TD			30-80
<b>Thermal Data</b>				
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	2.0-4.0
	TD			1.0-3.0
<b>Barrier Data</b>				
MVTR (38°C, 90% RH)		g/m <sup>2</sup> /day	F-1249	<0.5
MVTR (100 °F,90%RH)		g/100 in <sup>2</sup> /day	F-1249	<0.03
OTR (23°C, 0% RH)		cc/m <sup>2</sup> /day	D-3985	<100
OTR (73°F, 0% RH)		cc/100 in <sup>2</sup> /day	D-3985	<6.4

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 :** 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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