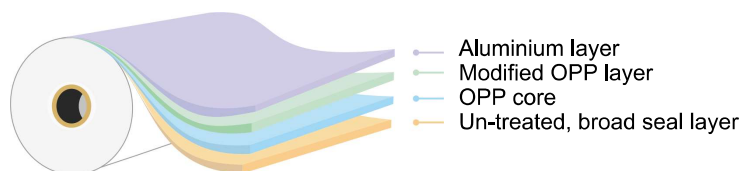


# Metallised, Barrier Film, Broad seal

## HST-1 (HMB-EL) MO T095

### Structure



### Description

It is a co-extruded one side metallised other side heat sealable Bi-axially Oriented Polypropylene film

### Features

- High oxygen, moisture and light barrier
- Broad heat sealing window with good heat seal.
- Excellent slip on sealable side
- Suitable for both extrusion/adhesive lamination

### Applications

- Inner sealing layer for Confectionery, snacks and chips.

### Typical values

Properties	Ref.	Units	ASTM# / Test Method	HST-1 (HMB-EL) MO T095		
<b>Physical Data</b>						
Average Thickness		Micron	D-374-C	15	23	30
		Gauge		60	92	120
		Mils		0.6	0.9	1.2
Thickness Variation		%(±)		3		
Density		g/cc		0.905		
Average substance		g/m <sup>2</sup>		16.3	20.8	27.2
Kinetic COF	UT-UT		D-1894	≤ 0.27		
Yield		m <sup>2</sup> /Kg	D-4321	61.4	48.0	36.8
		in <sup>2</sup> /lb		43160	33777	25896
<b>Optical Data</b>						
Optical Density			CTM	2.3 - 2.5		
<b>Mechanical Data</b>						
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	1200 -1500		
	TD			2400 -2800		
Elongation	MD	%	D-882	140 -190		
	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		
Seal Initiation Temperature		°C / °F	CTM	95 / 203		
Heat Seal Strength (min.)		g <sup>2</sup> /5 mm	CTM	> 500		
<b>Barrier Data</b>						
MVTR (38°C, 90% RH)		g/m <sup>2</sup> /day	F-1249	< 0.15		
MVTR (100 °F,90%RH)		g/100 in <sup>2</sup> /day	F-1249	< 0.009		
OTR (23°C, 0% RH)		cc/m <sup>2</sup> /day	D-3985	< 15		
OTR (73°F, 0% RH)		cc/100 in <sup>2</sup> /day	D-3985	< 0.96		

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction LTS: low temperature sealing UT = Un-treated  
**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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