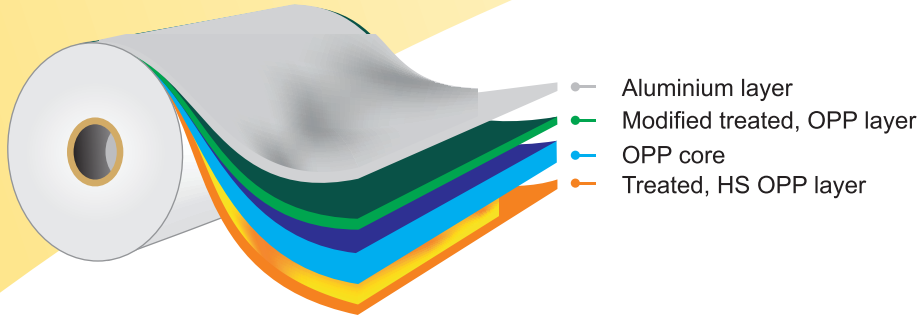


# Heat Sealable High Moisture Barrier Metallised Film

## HST-2 (MO) HMB

### Structure



### Description

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

### Features

- High moisture barrier
- Outstanding metal appearance
- Excellent metal adhesion to film
- Good barrier to gas and light
- Good heat seal strength

### Applications

- Inner seal web in multi-layer laminate
- Sandwich lamination

### Typical Values

Properties	Ref.	Units	Astm # / Test Method	HST-2 (MO) HMB	
<b>Physical Data</b>					
Average Thickness		micron	D-374-C	15	18
		gauge		59.06	70.87
		mils		0.59	0.70
Thickness Variation		% (±)		3	
Density		g/cc		0.905	
Average Substance		g/m <sup>2</sup>		13.58	16.29
Kinetic COF	NM-NM		D-1894	0.35 - 0.5	
Yield		m <sup>2</sup> /kg	D-4321	73.66	61.39
<b>Optical Data</b>					
Optical Density			CTM	2.0 - 2.2	
<b>Mechanical Data</b>					
Tensile Strength	MD	kg/ cm <sup>2</sup>	D-882	1200 - 1500	
	TD			2400 - 2800	
Elongation	MD	%	D-882	130 - 180	
	TD			30 - 80	
<b>Thermal Data</b>					
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	2.0 - 4.0	
	TD			1 - 3	
Heat Seal Strength		g/25mm	CTM	400	
<b>Barrier Data</b>					
MVTR (38°C, 90%RH)		g/m <sup>2</sup> /day	F-1249	≤0.25	
OTR (23 °C, 0%RH)		cc/m2/24	D-3985	<50	

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.

**Cosmo Films Limited**

B-14/8-9, MIDC, Waluj, Aurangabad 431136 (MS) India. T : +91 240 2554611-14 E : info.abad@cosmofilms.com  
Corp. Office : 1008, DLF Tower - A, Jasola District Center, New Delhi 110 025 India. T : +91 11 4949 4949 / 34 E : info.del@cosmofilms.com