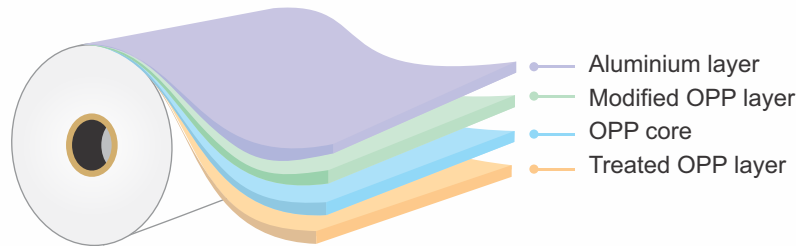


# Barrier Film, Metallised With Superior Barrier, For Sandwich Lamination

## HST-2 (UHBS) MO

### Structure



### Description

It is a clear metallised Bi-axially Oriented Polypropylene film with superior oxygen & moisture barrier characteristics. It can be treated as highly attractive alternate for Aluminum foil for the construction of high barrier laminating structures.

### Features

- Superior oxygen, moisture and light barrier
- Outstanding aroma and flavor barrier
- Very good puncture resistance
- Grease resistance
- Suitable for both extrusion/adhesive lamination
- Suitable for Cold seal adhesive receptive on non metal side

### Applications

- Sensitive dry foods like baby powder, cereals, dry mixes, dehydrated food and coffee
- Sensitive biscuits, cookies and crackers
- Confectionery, snacks and chips
- Health and beauty care, Pet food

### Typical Values

Properties	Ref.	Units	ASTM # / Test Method	HST-2 (UHBS) MO	
<b>Physical Data</b>					
Average Thickness		micron	D-374-C	15	18
		gauge		60	72
		mils		0.6	0.7
Thickness Variation		% (±)		3	
Density		g/cc		0.93	
Average Substance		g/m <sup>2</sup>		13.95	16.74
Kinetic COF	NM-NM		D-1894	0.35 - 0.45	
Yield		m <sup>2</sup> /kg	D - 4321	71.68	50.73
		in <sup>2</sup> /lb		50396	35666
<b>Optical Data</b>					
Optical Density			CTM	2.4 - 2.6	
<b>Mechanical Data</b>					
Tensile Strength	MD	kg/ cm <sup>2</sup>	D-882	1300 -1500	
	TD			2600 -2800	
Elongation	MD	%	D-882	150 -190	
	TD			40 -70	
<b>Thermal Data</b>					
Shrinkage (120 °C, 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	< 0.2	
MVTR (100 °F, 90%RH)		g/100in <sup>2</sup> /day	F-1249	< 0.012	
OTR (23 °C, 0%RH)		cc/m <sup>2</sup> /day	D-3985	< 0.2	
OTR (73 °F, 0%RH)		cc/100in <sup>2</sup> /day	D-3985	< 0.012	

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction LTS : low temperature sealing NM : Non-Metallised  
 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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