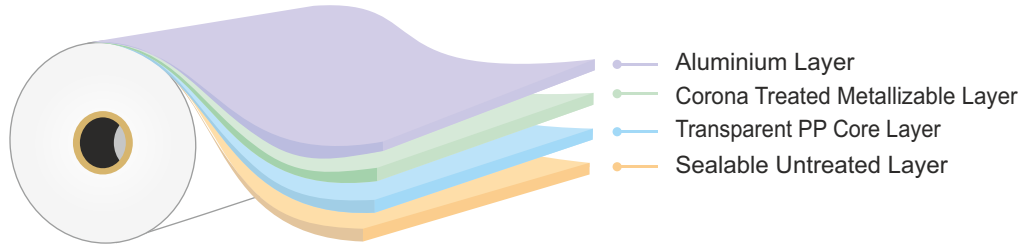


# Metallised CPP Film With High Barrier and High Metal Bond

## HST-1 (HB-EL) MO CPP

### Structure



### Description

It is a clear metallised cast polypropylene film with high oxygen & moisture barrier characteristics.

### Features

- High oxygen, moisture and light barrier
- Good aroma and flavor barrier
- High metal bond strength
- Suitable for extrusion lamination
- Low & stable COF
- Excellent sealing strength

### Applications

- Biscuits, cookies and crackers
- Confectionery, snacks and chips

### Provisional Data Sheet

Properties	Ref.	Units	ASTM#/Test Method	HST-1(HB-EL) MO CPP
<b>Physical Data</b>				
Average Thickness		micron		30
		gauge	D-374-C	120
		Mils		1.2
Thickness Variation		% (±)		5
Density		g/cc		0.91
Average Substance		g/m <sup>2</sup>		27.3
Kinetic COF	UT/MO		D-1894	0.30 - 0.40
Yield		m <sup>2</sup> /Kg	D-4321	36.63
<b>Optical Data</b>				
Optical Density			CTM	3.0 - 3.2
<b>Mechanical Data</b>				
Tensile Strength	MD	kg/ cm <sup>2</sup>	D-882	550 - 700
	TD			200 - 300
Elongation	MD	%	D-882	600 - 700
	TD			700 - 800
<b>Thermal Data</b>				
Seal Initiation Temp.		°C/°F	CTM	90 / 194
Heat Seal Strength (min)		g/25mm	CTM	2100 - 2400
Metal Bond Strength		g/25mm	CTM	> 350
<b>Barrier Data</b>				
MVTR ( 38°C, 90%RH)		g/m <sup>2</sup> /day	F-1249	< 0.15
OTR ( 23°C, 0%RH)		cc/m <sup>2</sup> /day	D-3985	< 7.0

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction MO : Metallised UT : Untreated

**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.

\* Metallised films are well known to age with time. Climatic conditions and storage period influence the metallised surface treatment level. A guarantee of the duration of the treatment on the metallised surface cannot therefore be given. In case of deterioration of surface treatment level, it is recommended that the material is retreated prior to conversion to optimize adhesion of inks and adhesives.

Updated as on Jan - 2023