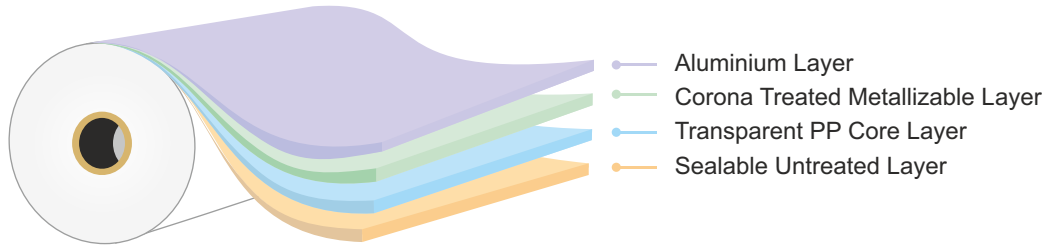


Metallised CPP Film With High Barrier and High Metal Bond

HST-1 (MHB-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 (MHB-EL) MO CPP			
Physical Data							
Average Thickness		micron	D-374-C	22	25	30	40
		gauge		88	100	120	160
		Mils		0.8	1.0	1.2	1.5
Thickness		% (±)		5			
Variation Density		g/cc		0.91			
Average Substance		g/m ²		20.0	22.7	27.3	36.4
Kinetic COF	UT/M		D-1894	0.25			
Yield		m ² /Kg	D-4321	49.9	44.0	36.6	27.4
Optical Data							
Optical Density			CTM	2.5 - 2.7			
Mechanical Data							
Tensile Strength	MD	kg/ cm ²	D-882	550 - 700			
	TD			200 - 300			
Elongation	MD	%	D-882	600 - 700			
	TD			700 - 800			
Thermal Data							
Seal Initiation Temp.		°C/°F	CTM	95 / 203			
Heat Seal Strength		g/25m	CTM	2100 - 2400			
(min) Metal Bond		g/25m	CTM	> 250			
Barrier Data							
MVTR (38°C, 90%RH)		g/m ² /day	F-1249	0.20			
OTR (23°C, 0%RH)		cc/m ² /day	D-3985	15.0			

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction M : Metal 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 Feb - 2024