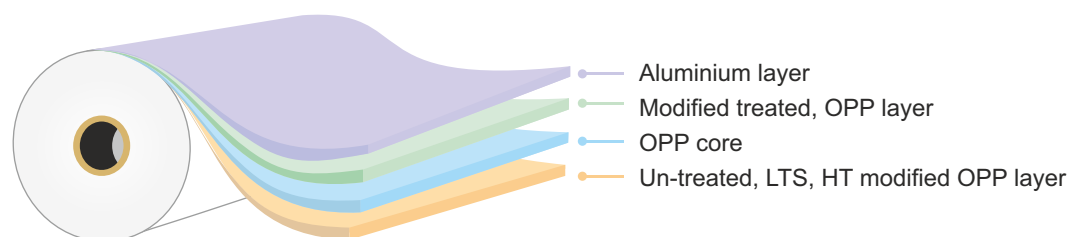


Barrier Film

Metallised, Broad Seal, High Hot Tack

HST-1(HSB-EL) MO T085

Structure



Description

It is a co-extruded, one side metallised and other side low heat sealable & high hot tack Bi-axially Oriented Polypropylene film.

Features

- Excellent performance in VFFS & HFFS machine
- Good metal adhesion to film
- Very good barrier to moisture and light
- Suitable for extrusion lamination
- High heat seal strength
- High hot tack strength
- Broad seal range

Applications

- As a laminate for snack food, bakery & confectionery packaging application

Technical Data Sheet

Properties	Ref.	Units	ASTM # / Test Method	HST-1(HSB-EL) MO T085			
Physical Data							
Average Thickness		micron	D-374-C	15	18	20	25
		gauge		60	72	80	100
		mils		0.6	0.7	0.8	1.0
Thickness Variation		% (±)		3			
Density		g/cc		0.905			
Average Substance		g/m ²		13.5	16.3	18.1	22.6
Kinetic COF	UT/MT		D-1894	0.15 – 0.25			
Yield		m ² /kg	D - 4321	73.7	61.3	55.24	44.24
		in ² /lb		51816	43098	38837	31103
Optical Data							
Optical Density			CTM	2.2			
Mechanical Data							
Tensile Strength	MD	kg/ cm ²	D-882	1300 -1500			
	TD			2600 -2800			
Elongation	MD	%	D-882	150 -190			
	TD			40 -70			
Thermal Data							
Shrinkage (120°C/248°F, 5 min.)	MD	%	D-1204	3.0 - 5.0			
	TD			0.5 - 2.0			
Heat Seal Range		°C / °F	CTM	85 - 145 / 185 - 293			
Heat Seal Strength In Lamination @135°C, 2 Bar, 0.5 sec		g/25mm	CTM	> 700			
Hot Tack Strength In Laminate @115°C, 2 Bar, 0.5 sec		g/25mm		> 400			
Barrier Data							
MVTR (38°C, 90%RH)		g/m ² /day	F-1249	< 0.15			
MVTR (100°F, 90%RH)		g/100in ² /day		< 0.009			
OTR (23 °C, 0%RH)		cc/m ² /day	D-3985	< 15			
OTR (73 °F, 0%RH)		cc/100in ² /day		< 0.96			

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

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.

Storage condition : Storage temperature to be maintained 25 Deg.C (+/-5 Deg C) & relative humidity 55% (+/-5%) to avoid accelerated reduction of surface treatment level.

Note : Treatment values in metallized films tend to decay over a period of time during transportation & subjected to storage conditions, hence it is recommended to check the treatment prior to processing & if reduction is observed then go for online treatment, high adhesive GSM & a suitable primer may be applied.

Cosmo Films

1st Floor, Uppal's Plaza, M-6 Jasola District Centre, New Delhi-110025, India, T: + 91-11-49 49 49 49,
E-mail: sales.enquiry@cosmofilms.com | www.cosmofilms.com