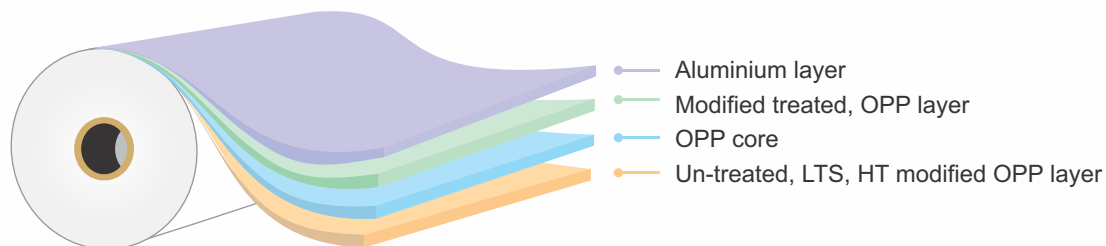


Barrier Film

Metallised, Broad Seal, High Hot Tack

HST-1(HSB) 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
- Very good gas barrier
- High heat seal strength
- High hot tack strength
- Broad seal range

Applications

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

Typical Values

Properties	Ref.	Units	ASTM # / Test Method	HST-1(HSB)MO T085	
Physical Data					
Average Thickness		micron	D-374-C	15	18
		gauge		60	72
		mils		0.6	0.7
Thickness Variation		% (±)		3	
Density		g/cc		0.905	
Average Substance		g/m ²		13.5	16.3
Kinetic COF	UT-UT		D-1894	0.35 - 0.45	
Yield		m ² /kg	D-4321	73.7	61.3
		in ² /lb		51816	43098
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		g/25mm	CTM	>550	
Hot Tack Strength		g/25mm	115°C	395	
Barrier Data					
MVTR (38°C, 90%RH)		g/m ² /day	F-1249	< 0.25	
MVTR (100°F, 90%RH)		g/100in ² /day		< 0.01	
OTR (23 °C, 0%RH)		cc/m ² /day	D-3985	< 30	
OTR (73 °F, 0%RH)		cc/100in ² /day		< 1.93	

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