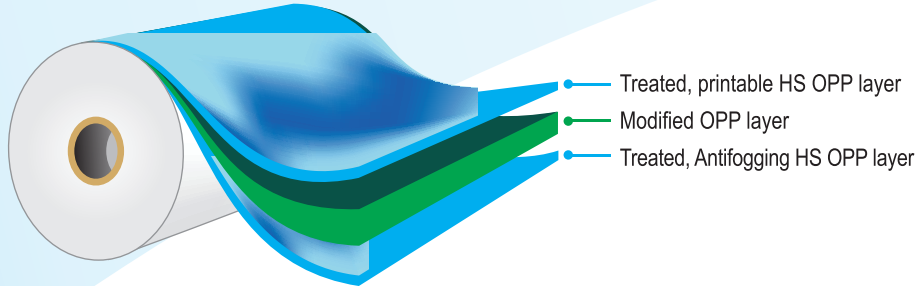


Antifog film

HST-2 (AF)

Structure



Description

It is a co-extruded, both sides heat sealable and both sides treated Bi-axially Oriented Polypropylene film

Features

- Excellent machinability and optics
- Good ink adhesion
- Excellent cold and hot antifogging effect on one side and printability on other side
- High heat seal strength
- High hot tack strength
- Low seal initiation temperature

Applications

- Packaging of fresh cut vegetables, salad and meat
- flower wrapping

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Typical Values

Properties	Ref.	Units	Astm # / Test Method	HST-2 (AF)				
Physical Data								
Average Thickness		micron		20	25	30	35	40
		gauge	D-374-C	78.74	98.42	118.11	137.80	157.48
		mils		0.79	0.98	1.18	1.38	1.57
Thickness Variation		% (±)		3				
Density		g/cc		0.905				
Average Substance		g/m ²		18.10	22.62	27.15	31.68	36.2
Wettability (min.)		dynes/cm	D-2578	38				
Kinetic COF	F-F		D-1894	0.15 – 0.30				
Yield		m ² /Kg	D-4321	55.25	44.20	36.83	31.57	27.62
Optical Data								
Gloss (45 °)		gardner	D-2457	88 - 92				
Haze		%	D-1003	2.5 - 3.5				
Mechanical Data								
Tensile Strength	MD	kg/ cm ²	D-882	1100 - 1400				
	TD			2300 - 2600				
Elongation	MD	%	D-882	140 - 200				
	TD			30 - 70				
Thermal Data								
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	2 - 4				
	TD			1 - 3				
Heat Seal Temp(min.) (2.0 Bar-0.5 s-bar seal)		°C	CTM	115				
Heat Seal Strength (135°C-2.0 Bar-0.5 s-bar seal)		g/25 mm	CTM	>500	>600	>700	>800	>850
Antifog Data								
Cold Fog (4°C / 7 Days)		Rating A-E A - Poor E - Excellent	CTM	E				
Hot Fog (60°C / 3 h)				E				
Barrier Data								
MVTR (38 °C, 90%RH)		g/m ² /day	F-1249	6	4.5	4	3.5	3

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction
 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.