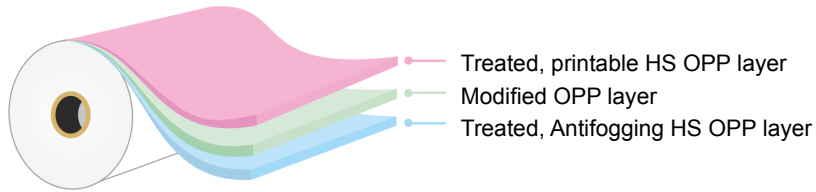


Antifog Film Heat Sealable

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

Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-2(AF)							
Physical Data											
Average Thickness		Micron	D-374-C	20	25	30	35	40	50	52	
		Gauge		80	100	120	140	160	200	208	
		Mils		0.8	1.0	1.2	1.4	1.6	2.0	2.1	
Thickness Variation		%(±)		3							
Density		g/cc		0.905							
Average substance		g/m ²		18.1	22.6	27.1	31.6	36.2	45.25	47.06	
Surface Tension(min)	Both Side	dynes/cm	D-2578	38							
Kinetic COF	AF Side		D-1894	0.20-0.30							
Yield		m ² /Kg	D-4321	55.2	44.2	36.9	31.6	27.6	22.0	21.2	
		in ² /lb		38844	31109	25944	22249	19422	15467	14940	
Optical Data											
Gloss (45°)		Gardner	D-2457	>86							
Haze		%	D-1003	2.0-3.5							
Mechanical Data											
Tensile Strength	MD	kg/cm ²	D-882	1200-1400							
	TD			2400-2800							
Elongation	MD	%	D-882	180-230							
	TD			50-70							
Thermal Data											
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	3.0-4.0							
	TD			0.5-2.0							
Seal Initiation Temperature		°C / °F	CTM	115/239							
Heat Seal Strength (min.)	A-A			>600	>650	>700	>800	>850	>850	>850	
Hot Tack		g/25 mm	ASTM F-1921	200	250	300	400	400	400	400	
Barrier Data											
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<5.8	<4.5	<4.0	<3.5	<3.0	<3.0	<3.0	
MVTR (100 °F,90%RH)		g/100 in ² /day	F-1249	<0.37	<0.29	<0.25	<0.22	<0.19	<0.19	<0.19	

CTM : Cosmo Test Method

MD : Machine Direction

TD : Transverse Direction

A : Antifog side

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 : Seal initial temp for antifog side