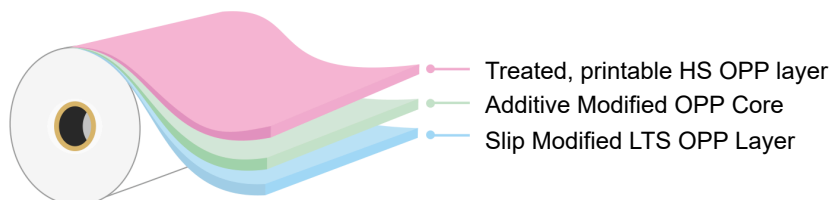


Printing & Pouching Film Transparent - Low COF & Low SIT, Heat Sealable

HST-1(LCF) T095

Structure



Description

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

Features

- Excellent machinability
- Good ink adhesion
- Good heat seal strength
- Seals at very low temperature, hence broader heat seal temperature range
- Low COF through-out printing & laminating processes

Applications

- General purpose printing, pouching and packaging of snacks, bakery products
- As a component in multi-layer laminate for VFFS & HFFS application

Typical values

Properties	Ref.	Units	ASTM# / Test Method	HST-1(LCF) T095										
Physical Data														
Average Thickness	Micron			15	18	20	23	25	30	35	40	50		
	Gauge	D-374-C		60	72	80	92	100	120	140	160	200		
	Mils			0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.6	2.0		
Thickness Variation	%(±)			3										
Density	g/cc			0.905										
Average substance	g/m ²			13.6	16.3	18.1	20.8	22.6	27.2	31.7	36.2	45.2		
Surface Tension(min)	dynes/cm	D-2578		38										
Kinetic COF	UT-UT	D-1894		0.20-0.30										
Yield	m ² /Kg	D-4321		73.7	61.4	55.2	48.0	44.2	36.8	31.6	27.6	22.1		
	in ² /lb			51816	43168	38809	33747	31075	25873	22217	19404	15537		
Optical Data														
Gloss (45°)	Gardner	D-2457		>85										
Haze	%	D-1003		1.8-3.0					2.2-3.5					
Mechanical Data														
Tensile Strength	MD	kg/cm ²	D-882	1100-1500										
	TD			2400-2800										
Elongation	MD	%	D-882	140-200										
	TD			30-70										
Thermal Data														
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	3.0-5.0										
	TD			0.5-2.0										
Heat Seal Range	UT	°C	CTM	95-145										
Heat Seal Strength (min.)	UT	g/25 mm	CTM	400	425	450	450	500	500	500	500	575		
Hot Tack		g/25 mm	ASTM F-1921	330	330	330	330	350	350	350	350	350		
Barrier Data														
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<8.0	<7.0	<6.0	<5.0	<4.5	<4.0	<3.5	<3.0	<3.0		
MVTR (100 °F,90%RH)		g/100 in ² /day	F-1249	<0.51	<0.45	<0.38	<0.32	<0.29	<0.25	<0.22	<0.19	<0.19		

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

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.

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