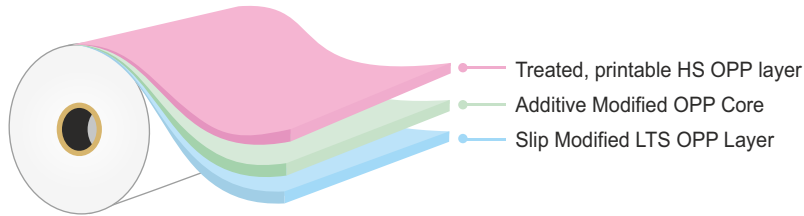


Printing & Pouching Film

Transparent - Low COF & Low SIT, Heat Sealable

HST-1(LCF) T080

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) T080	
Physical Data					
Average Thickness		micron	D-374-C	25	30
		gauge		100	120
		mils		1.0	1.2
Thickness Variation		% (±)		3	
Density		g/cc		0.905	
Average Substance		g/m ²		22.6	27.2
Surface tension (min.)		dynes/cm	D-2578	38	
Kinetic COF	UT-UT		D-1894	0.20 - 0.30	
Yield		m ² /Kg	D-4321	44.2	36.8
		in ² /lb	D-4321	31075	25873
Optical Data					
Gloss (45 °)		gardner	D-2457	>85	
Haze		%	D-1003	1.8 - 3.5	
Mechanical Data					
Tensile Strength	MD	kg/ cm ²	D-882	1100 - 1500	
	TD			2500 - 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	
Seal Initiation Temp.	UT	°C / °F	CTM	80 / 176	
SIT Variation (±)		°C / °F	CTM	3 / 37.4	
Heat Seal Strength	UT	g/25 mm	CTM	>450	
Barrier Data					
MVTR (38 °C, 90%RH)		g/m ² /day	F-1249	<4.5	<4.0
MVTR (100 °F, 90%RH)		g/100in ² /day		<0.29	<0.25

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction HS : Heat sealable

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.