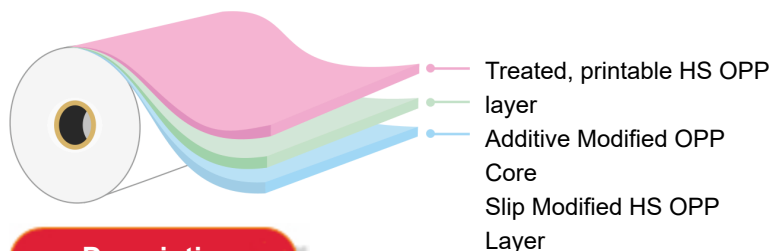


# Printing & Pouching Film Transparent - Low COF, Heat Sealable

## HST-1(LCF) T105

### 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 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) T105										
<b>Physical Data</b>														
Average Thickness	Micron	D-		15	17	18	20	23	25	30	35	40	50	51
	Gauge	374-		60	68	72	80	92	100	120	140	160	200	204
	Mils	C		0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.4	1.6	2.0	1.0
Thickness Variation	%(±)			3										
Density	g/cc			0.905										
Average substance	g/m <sup>2</sup>			13.6	15.3	16.3	18.1	20.8	22.6	27.2	31.7	36.2	45.2	46.16
Surface Tension(min)	dynes/cm	D-	2578	38										
Kinetic COF	UT-UT	D-	1894	0.20-0.30										
Yield	m <sup>2</sup> /Kg	D-		73.5	65.4	61.3	55.2	48.1	44.2	36.8	31.5	27.6	22.1	21.7
	in <sup>2</sup> /lb	4321		51696	45952	43133	38844	33801	31109	25848	22179	19422	15555	15231
<b>Optical Data</b>														
Gloss (45°)	Gardner	D-	2457	>85										
Haze	%	D-	1003	1.8-3.0					2.2-3.5					
<b>Mechanical Data</b>														
Tensile Strength	MD	kg/cm <sup>2</sup>	D-	1100-1500										
	TD		882	2500-2800										
Elongation	MD	%	D-	140-200										
	TD		882	30-70										
<b>Thermal Data</b>														
Heat Seal Range		°C	CTM	105-145										
Shrinkage (120°C/248 °F,5 min)	MD	%	D-	3.0 - 5.0										
	TD		1204	0.5-2.0										
Seal Initiation Temperature	UT-UT	°C / °F	CTM	105 / 221										
Heat Seal Strength(135 °C /275 °F, 2.0 bar-0.5 sec.)	UT-UT	g/5mm	CTM	400	425	425	450	450	500	500	500	500	500	575

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

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