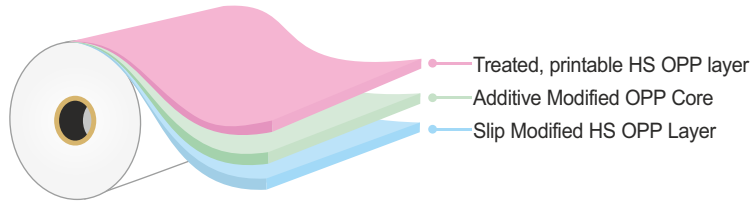


# Printing & Pouching Film

## Transparent - Low COF, Heat Sealable

### HST-1 (LCF) T075

#### 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) T075											
<b>Physical Data</b>															
Average Thickness		micron	D-374-C	15	17	18	20	23	25	30	35	40	50	51	
		gauge		60	68	72	80	92	100	120	140	160	200	204	
		mils		0.6	0.7	0.7	0.8	0.9	1.0	1.2	1.4	1.6	2.0	2.0	
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	46.1	
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-4321	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	D-4321	51675	45980	43098	38809	33817	31075	25873	22146	19404	15537	15256	
<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-882	1100 - 1500											
	TD			2500 - 3000											
Elongation	MD	%	D-882	140 - 200											
	TD			30 - 70											
<b>Thermal Data</b>															
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	75 / 167											
SIT Variation (±)		°C/°F		3 / 37.4											
Heat Seal Strength (135 °C/275°F, 2 bar, 0.5 sec.)	UT	g/25 mm	CTM	400	425	425	450	450	500					575	

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction UT : Untreated Side- HS: Heat Sealable SIT: Seal Initiation Temp.

**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.