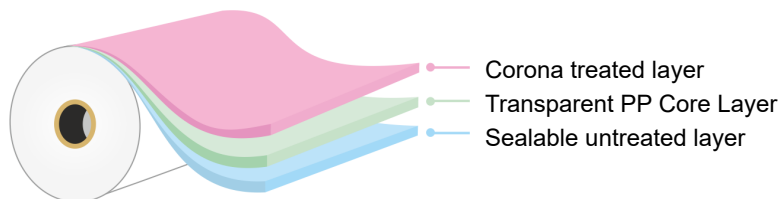


# Printing & Pouching Film Transparent CPP, Heat Sealable

## HST-1(P/L) CPP

### Structure



### Description

It is a co-extruded, one side heat sealable and one side treated cast polypropylene film.

### Features

- Excellent machinability
- Low COF for high speed packaging.
- Good ink adhesion
- High heat seal strength
- Good Hot Tack
- Good optical properties

### Applications

- General purpose printing and pouching of pasta, dried beans and bakery products
- Lamination & single ply application

### Typical values

Properties	Ref.	Units	ASTM# / Test Method	HST-1(P/L) CPP											
<b>Physical Data</b>															
Average Thickness	Micron	D-374-C	15	20	22	25	30	35	40	50					
	Gauge		60	80	88	100	120	140	160	200					
	Mils		0.6	0.8	0.9	1.0	1.2	1.4	1.6	2.0					
Thickness Variation	%(±)		5												
Density	g/cc		0.905												
Average substance	g/m <sup>2</sup>		13.58	18.10	19.91	22.63	27.15	31.68	36.20	45.25					
Surface Tension(min)	dynes/cm	D-2578	38												
Kinetic COF	UT-UT	D-1894	0.15-0.30												
Yield	m <sup>2</sup> /Kg	D-4321	73.66	55.25	50.23	44.20	36.83	31.57	27.62	22.10					
	in <sup>2</sup> /lb		51792	38844	35312	31075	25896	22196	19422	15537					
<b>Optical Data</b>															
Gloss (45°)	Gardner	D-2457	75-80	75-80	75-80	70-80	70-75	70-75	70-75	70-75					
Haze	%	D-1003	2.5-4.5	2.5-4.5	2.5-4.5	4.0-5.5	4.0-5.5	4.0-5.5	4.0-5.5	4.0-5.5					
<b>Mechanical Data</b>															
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	350-650											
	TD			180-250											
Elongation	MD	%	D-882	350-550											
	TD			500-600											
<b>Thermal Data</b>															
Seal Initiation Temperature	UT-UT	°C / °F	CTM	117/242.6											
Heat Seal Strength (min.)	UT	g/25 mm	CTM	1300	1600	1800	2000	2200	2400	2600	2800				
<b>Barrier Data</b>															
MVTR (38°C, 90% RH)		g/m <sup>2</sup> /day	F-1249	<12	<12	<13	<13	<10	<9	<9	<8				
OTR (23°C, 0% RH)		cc/m <sup>2</sup> /day	D-3985	<3500	<3500	<3700	<3700	<3600	<3550	<3500	<3500				

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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