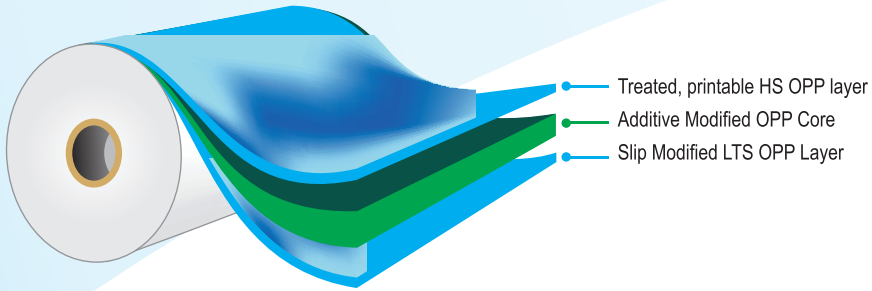
COSMO FILMS

Printing pouching
(low cof & low heat seal)

HST-1 (LCF) T105

COSMOPHANE™ Technical Data Sheet

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
- High 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						
Physical Data										
Average Thickness		micron	D-374-C	15	18	20	25	30	35	40
		gauge		59.06	70.87	78.74	98.42	118.11	137.80	157.48
		mils		0.59	0.71	0.79	0.98	1.18	1.38	1.57
Thickness Variation		% (±)		3						
Density		g/cc		0.905						
Average Substance		g/m^2		13.58	16.29	18.10	22.63	27.15	31.68	36.2
Wettability (min.)		dynes/cm	D-2578	38						
Kinetic COF		UT-UT	D-1894	0.2 – 0.3						
Yield		m^2/Kg	D-4321	73.63	61.38	55.25	44.20	36.83	31.57	27.62
Optical Data										
Gloss (45 °)		gardner	D-2457	88 - 92				86 - 90		
Haze		%	D-1003	1.5 – 2.5				1.7 – 2.7		
Mechanical Data										
Tensile Strength	MD	kg/ cm^2	D-882	1200 - 1500						
	TD			2400 – 2800						
Elongation	MD	%	D-882	140 - 200						
	TD			30 - 80						
Thermal Data										
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	2.5 – 4.5						
	TD			0.5 – 2.5						
Seal Initiation Temp.		°C	CTM	105						
Heat Seal Strength		g/25 mm	CTM	350	400	400	500	525	550	575
Barrier Data										
MVTR (38 °C, 90%RH)		g/m2/day	F-1249	8	7	6	5.5	5.0	4.5	4

* Low heat seal Film with SIT of 85, 90 & 100°C available on request

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.

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