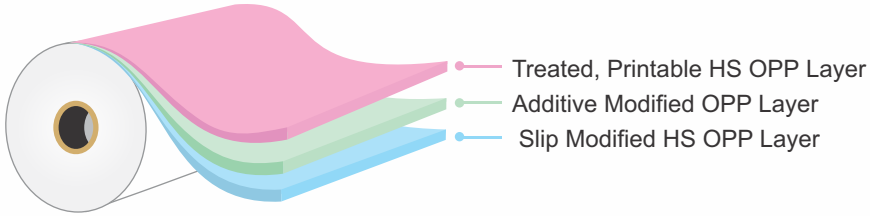
COSMO FILMS
Engineered to Enhance

Technical Data Sheet

Printing & Pouching Film
Oxo-Biodegradable, Heat Sealable

HST-1 (OBD)

Structure



Description

It is a co-extruded, both sides heat sealable and one sides treated Bi-axially Oriented Polypropylene film

Features

- Oxo-biodegradable within 2 to 2.5 years
- Excellent machinability
- Good ink adhesion
- Good heat seal strength and moisture barrier

Applications

- General purpose printing and pouching of snacks and bakery products
- As a component in multi-layer laminate for VFFS & HFFS application

Typical Values

Properties	Ref.	Units	ASTM # / Test Method	HST-1 (OBD)		
Physical Data						
Average Thickness		micron	D-374-C	15	20	25
		gauge		60	80	100
		mils		0.6	0.8	1.0
Thickness Variation		% (±)		3		
Density		g/cc		0.905		
Average Substance		g/m^2		13.5	18.1	22.6
Surface tension (min.)		dynes/cm	D-2578	38		
Kinetic COF	UT-UT		D-1894	0.20 - 0.30		
Yield		m^2/Kg	D-4321	73.5	45.2	44.2
		in^2/lb		51675	31806	31075
Optical Data						
Gloss (45 °)		gardner	D-2457	>85		
Haze		%	D-1003	1.5 - 2.5	2.0 - 3.0	
Mechanical Data						
Tensile Strength	MD	kg/cm^2	D-882	1200 - 1500		
	TD			2400 - 2800		
Elongation	MD	%	D-882	140 - 200		
	TD			30 - 70		
Thermal Data						
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	2.0 - 4.0		
	TD			1.0 - 3.0		
Heat Initiation Temp.	UT	°C	CTM	105		
Heat Seal Strength	UT	g/25 mm	CTM	400	500	550

Updated as on Oct. - 2023

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

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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