

Printing & Pouching Film Matte, Low SIT, Heat Sealable

HST-1(SM) T105

Structure



Description

It is a co-extruded, one side sealable matte, other side corona treated heat sealable Bi-axially Oriented Polypropylene film

Features

- Lap sealable
- Low seal initiation (SIT) Temperature
- Excellent machinability
- High haze for natural look
- Good ink adhesion on glossy side
- Good moisture barrier

Applications

- Printing layer for Snacks and Confectionary packaging
- Lamination with PP Woven sack for pet food packaging

Typical Values

Properties	Ref.	Units	ASTM# / Test Method	HST-1(SM) T105				
Physical Data								
Average Thickness		Gauge Mils	D-374-C	15	18	20	25	30
				60	72	80	100	120
				0.6	0.7	0.8	1.0	1.2
Thickness Variation		%(±)		3				
Density		g/cc		0.84				
Average substance		g/m ²		12.6	15.1	16.8	21	25.2
Surface Tension(min)	Glossy	dynes/cm	D-2578	38				
Kinetic COF	M-M		D-1894	0.45-0.55				
Yield		m ² /Kg	D-4321	79.3	66.1	59.5	47.6	39.6
				55799	46494	41832	33479	27899
Optical Data								
Gloss (45°)	Matte	Gardner	D-2457	7.0-10.0				
Haze		%	D-1003	>65				
Mechanical Data								
Tensile Strength	MD	kg/cm ²	D-882	1000-1400				
	TD			2400-2800				
Elongation	MD	%	D-882	140-200				
	TD			30-70				
Thermal Data								
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	3.0-5.0				
	TD			1.0-3.0				
Seal Initiation Temperature		°C / °F	CTM	105/221				
Heat Seal Strength (min.)		g/25 mm	CTM	>450				

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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