

Printing & Pouching Film White Opaque, Heat Sealable

HST-1(W)

Structure



Description

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

Features

- Excellent machinability with good seal strength
- Excellent aesthetics
- High whiteness index
- Good barrier to normal and UV Light

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(W)					
Physical Data									
Average Thickness		Micron	D-374-C	15	18	20	30	35	40
		Gauge		60	72	80	120	140	160
		Mils		0.6	0.7	0.8	1.2	1.4	1.6
Thickness Variation		%(±)		3					
Density		g/cc		0.95					
Average substance		g/m ²		14.2	17.1	19.0	28.5	33.2	38.0
Surface Tension(min)		dynes/cm	D-2578	38					
Kinetic COF	UT-UT		D-1894	0.30-0.45					
Yield		m ² /Kg	D-4321	70.4	58.4	52.6	35.0	30.1	26.3
		in ² /lb		49496	41059	36981	24607	21162	18490
Optical Data									
Gloss (45°)		Gardner	D-2457	45-50					
Opacity		%	Hunter Lab D25-2CR	55-60	60-65	60-65	65-70	70-75	70-75
Whiteness Index		%	E-313	>80					
Mechanical Data									
Tensile Strength	MD	kg/cm ²	D-882	1000-1300					
	TD			2200-2500					
Elongation	MD	%	D-882	130-170					
	TD			25-55					
Thermal Data									
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	2.0-4.0					
	TD			1.0-3.0					
Seal Initiation Temperature		°C / °F	CTM	105/221					
Heat Seal Strength (min.)		g/25 mm	CTM	350	375	375	450	475	500
Barrier Data									
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<7.0	<6.5	<6.5	<5.0	<4.0	<3.0
MVTR (100 °F,90%RH)		g/100 in ² /day	F-1249	<0.45	<0.41	<0.41	<0.32	<0.25	<0.19

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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