

Printing & Pouching Film Metallised CPP, Heat Sealable

HST-1(MO) CPP

Structure



Description

It is a co-extruded, film having metal deposit on treated side other side heat sealable cast polypropylene film.

Features

- Excellent machinability
- Excellent sealing strength
- Excellent hot tack
- Good barrier

Applications

- Packaging & conversion
- Inner seal web in multi-layer laminate

Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-1(MO) CPP					
Physical Data									
Average Thickness		Micron	D-374-C	20	22	25	30	35	40
		Gauge		80	88	100	120	140	160
		Mils		0.8	0.9	1.0	1.2	1.4	1.6
Thickness Variation		%(±)		5					
Density		g/cc		0.91					
Average substance		g/m ²		18.2	20.02	22.75	27.30	31.85	36.40
Kinetic COF	UT-MT		D-1894	0.26-0.30					
Yield		m ² /Kg	D-4321	54.9	50.0	44.0	36.6	31.4	27.5
		in ² /lb		38630	35118	30904	25753	22074	19315
Optical Data									
Optical Density			CTM	2.0-2.2					
Mechanical Data									
Tensile Strength	MD	kg/cm ²	D-882	550-650					
	TD			250-300					
Elongation	MD	%	D-882	500-600					
	TD			600-700					
Thermal Data									
Seal Initiation Temperature		°C / °F	CTM	110/230					
Heat Seal Strength (min.)		g/25 mm	CTM	1700	1750	1800	2000	2000	2300
Barrier Data									
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<1.2					
OTR (23°C, 0% RH)		cc/m ² /day	D-3985	<150					

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction MT :Metal 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.

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.

Note : Treatment values in metalized films tend to decay over a period of time during transportation & subjected to storage conditions, hence it is recommended to check the treatment prior to processing & if reduction is observed then go for online treatment, high adhesive GSM & a suitable primer may be applied.

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