

Plain Printing & Lamination Film

PCT-2(CV) HR

Structure



- Treated, hot slip modified OPP layer
- Additive modified OPP core
- Treated, printable OPP layer

Description

It is a co-extruded, plain, both side treated and out side hot slip modified Bi-axially Oriented Polypropylene film.

Features

- Excellent printability at high speed
- Excellent hot slip
- High heat resistance (up to 160°C*)
- Good ink adhesion
- Controlled COF up to 50°C
- Good antistatic

Applications

- Used as a reverse printed top layer into multilayer laminate

Typical values

Properties	Ref.	Units	ASTM#/ Test Method	PCT-2(CV) HR				
Physical Data								
Average Thickness		Micron	D-374-C	12	15	18	20	25
		Gauge		48	60	72	80	100
		Mils		0.5	0.6	0.7	0.8	1.0
Thickness Variation		%(±)		3				
Density		g/cc		0.905				
Average substance		g/m ²		10.86	13.6	16.3	18.1	22.6
Surface Tension(min)		dynes/cm	D-2578	38				
Kinetic COF	NPS-NPS		D-1894	<0.22				
Yield		m ² /Kg		92.0	73.5	61.3	55.2	44.2
		in ² /lb		64682	51696	43133	38844	31109
Optical Data								
Gloss (45°)		Gardner	D-2457	>94				
Haze		%	D-1003	1.5-2.0				
Mechanical Data								
Tensile Strength	MD	kg/cm ²	D-882	1300-1600				
	TD			2800-3300				
Elongation	MD	%	D-882	140-190				
	TD			40-80				
Thermal Data								
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	3.0-5.0				
	TD			0.5-2.5				
Barrier Data								
MVTR (38°C, 90% RH)		g/m ² /day	F-1249	<7.0	<7.0	<6.5	<6.5	<6.0
MVTR (100 °F,90%RH)		g/100 in ² /day	F-1249	<0.45	<0.45	<0.41	<0.41	0.38

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction NPS : Non Printable Side HR : Heat Resistance
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 : NPS side is HR side

Cosmo Films Limited

1st Floor, Uppal's Plaza, M-6 Jasola District Centre, New Delhi - 110025, India, T: + 91-11-49 49 49 49,

E-mail: sales.enquiry@cosmofilms.com | www.cosmofilms.com