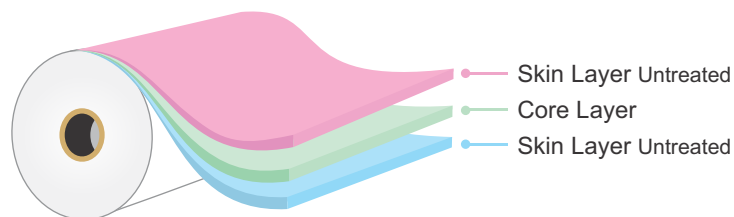


BOPET Transparent Film

PAF-0

Typical Values

Structure



Description

It is a co-extruded, transparent BOPET (Bi-axially Oriented Polyethylene terephthalate) film. Film is both side untreated.

Features

- Excellent dimensional stability & machinability
- Excellent oxygen & moisture barrier
- Good transparency
- Good chemical resistance

Applications

- Flexible packaging applications
- Lamination
- Suitable for Heat Transfer Printing
- Suitable for Hot Foil Stamping

Properties	Ref.	Units	ASTM#/Test Method	PAF-0									
Physical Data													
Average Thickness		micron	D-374-C	6	8	10	12	15	19	23	36	50	
		gauge		24	32	40	48	60	76	92	144	200	
		mils		0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.4	2.0	
Density		g/cc		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
Average Substance		g/m²		8.4	11.2	14.0	16.80	21.0	26.6	32.20	50.40	70.0	
Yield		m²/Kg	D-4321	119	89.28	71.42	59.52	47.62	37.59	31.06	19.84	14.29	
		in²/lb		83665	62770	50213	41846	33480	26428	21837	13948	10046	
Optical Data													
Haze (Max.)		%	D-1003	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	
Mechanical Data													
Tensile Strength (min.)	MD	kg/ cm²	D-882	2000	2000	2000	2000	2000	2000	2000	1900	1900	
	TD			2100	2100	2100	2100	2100	2100	2100	2000	2000	
Elongation (min.)	MD	%	D-882	90	90	95	100	105	110	115	120	120	
	TD			85	85	85	90	90	95	95	100	100	
Thermal Data													
Linear Shrinkage (Max.) (150°C/302°F, 30 min.)	MD	%	D-1204	2.0									
	TD			0.4									
Surface Data													
Surface tension (min.)	UT	dynes/cm	D-2578	42-44									
Kinetic COF (Max.)	UT/UT		D-1894	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.40	0.40	
Barrier Data													
MVTR (38 °C, 90%RH)		g/m²/day	F-1249	50	50	50	45	40	35	30	20	16	
MVTR (100 °F, 90%RH)		g/100in²/day		3.2	3.2	3.2	2.9	2.6	2.3	2.0	1.3	1.0	
OTR (23 °C, 0%RH)		cc/m²/day	D-3985	155	155	155	130	110	90	80	70	45	
OTR (73 °F, 0%RH)		cc/100in²/day		10.1	10.1	10.1	8.5	7.1	5.8	5.2	4.5	2.9	

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction CT : Corona Treated UT or B0 : Untreated

Storage & Handling : PET film needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, sources or high humidity. If the material is stored in the recommended conditions PET is suitable for use within 9 months from the date of dispatch

Disclaimer : The information provided above is based on COSMO FILMS 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.

Cosmo Films

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