

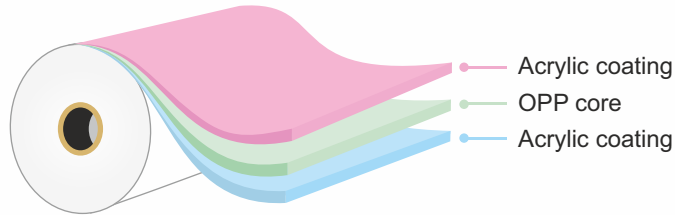
Barrier Film

Transparent, High Aroma Barrier

C1010 (A - A)

Typical Values

Structure



Description

Both side acrylic coated, clear, Bi-axially Oriented Polypropylene film

Features

- Excellent machinability
- Good gloss and transparency
- Low seal threshold
- Broad sealing range
- Excellent hot tack properties
- Good aroma barrier
- High seal strength
- Printable with water based printing inks
- Solvent free coating
- Excellent dimensional stability and stiffness

Applications

- Food packaging like candy, wrapped candies, tea, bakery etc.
- Gift cards, floral corsages, perfume, carton over wrap, soap wrap etc.

Properties	Ref.	Units	ASTM#/Test Method	C1010 (A - A)					
Physical Data									
Average Thickness		micron	D-374-C	25	30	35	40	50	60
		gauge		100	120	140	160	200	240
		mils		1.0	1.2	1.4	1.6	2.0	2.4
Thickness Variation		% (±)		3					
Average Substance		g/m ²		22.7	27.2	31.8	36.4	45.44	54.49
Kinetic COF	A-A		D-1894	0.25 - 0.30					
Yield		m ² /kg	D-4321	44.0	36.7	31.4	27.4	22.0	18.35
		in ² /lb		30935	25844	22076	19264	15467	12901
Optical Data									
Gloss (45 °)		gardner	D-2457	> 85					
Haze		%	D-1003	1.5 - 3.5					
Mechanical Data									
Tensile Strength	MD	kg/ cm ²	D-882	1200 - 1500					
	TD			2400 - 2800					
Elongation	MD	%	D-882	140 - 180					
	TD			40 - 80					
Thermal Data									
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	2.0 - 4.0					
	TD			1.0 - 3.0					
Seal Initiation Temp.(min.)	A	°C/°F	CTM	90 /194					
Heat Seal Strength (130 °C/266°F,-2.0 bar-0.5 s)	A-A	g/25mm	CTM	500	525	550	575	600	600
Hot Tack Strength	A-A	g/25mm	@ 120°C	300	350	350	350	350	350
Barrier Data									
MVTR (38°C, 90%RH)		g/m ² /day	F-1249	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MVTR (100°F, 90%RH)		g/100in ² /day		<0.32	<0.32	<0.32	<0.32	<0.32	<0.32

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction A - Acrylic coating

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.

Cosmo Films

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