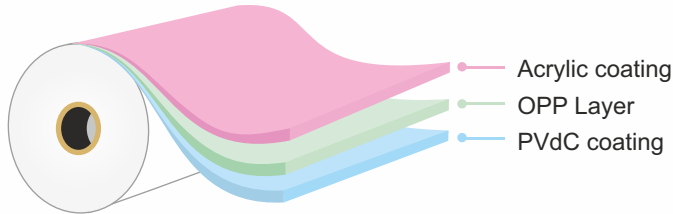


Barrier Film Transparent, High Oxygen Barrier

C1011 (A - P)

Structure



Description

One side acrylic and other side PVdC coated, clear Bi-axially Oriented Polypropylene film

Features

- Excellent machinability
- Good gloss and transparency
- Low seal threshold on acrylic side
- Good heat seal strength
- Excellent hot tack properties
- Good aroma, oxygen and moisture barriers properties
- Excellent printability
- Solvent free coating
- Excellent dimensional stability and stiffness

Applications

- Food packaging applications (Suitable for packaging oxygen sensitive and high fat content food)
- Candy, nuts, paste, bakery, chocolates, snack mixes, dried fruits, soup mixes, spices, cheese, pet food etc.

Typical Values

Properties	Ref.	Units	ASTM # / Test Method	C1011 (A-P)				
Physical Data								
Average Thickness		micron	D-374-C	26	32	37	43	53
		gauge		104	128	148	172	212
		mils		1.0	1.3	1.5	1.7	2.1
Thickness Variation		% (±)		3				
Average Substance		g/m ²		25.5	28.9	33.4	40.1	51.8
Kinetic COF	A-A		D-1894	0.25 - 0.30				
	P-P			0.38 - 0.40				
Yield		m ² /kg	D-4321	39.2	34.5	29.9	24.9	19.2
		in ² /lb		27560	24276	21021	17506	17506
Optical Data								
Gloss (45 °)	A	gardner	D-2457	> 100				
	P			> 102				
Haze		%	D-1003	2.2 - 3.6				
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/ 248°F, 5 min.)	MD	%	D-1204	2.0 - 4.0				
	TD			1.0 - 3.0				
Heat Seal Range (2.0 bar-0.5 s)	A	°C/°F	CTM	90 - 145 / 194 - 293				
	P			95 - 145 / 203 - 293				
Heat Seal Strength (130 °C/266°F-2.0 bar-0.5 s)	A-A	g/25mm	CTM	500 - 600				
	P-P			550 - 650				
Barrier Data								
MVTR (38°C, 90%RH)		g/m ² /day	F-1249	< 2.3	< 2.3	< 3.5	< 3.5	< 3.5
MVTR (100°F, 90%RH)		g/100in ² /day		< 0.14	< 0.14	< 0.22	< 0.22	< 0.22
OTR (23°C, 0%RH)		cc/m ² /day	D-3985	< 39.0	< 39.0	< 28.0	< 28.0	< 28.0
OTR (73°F, 0%RH)		cc/100in ² /day		< 2.5	< 2.5	< 1.8	< 1.8	< 1.8

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