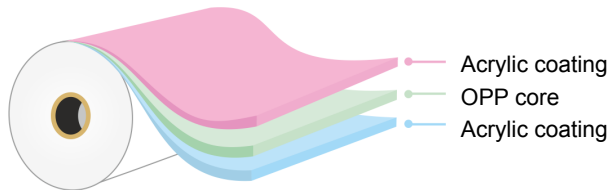


# Barrier Film Transparent, High Aroma Barrier

## C1010(A-A)

### 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.

### Typical values

Properties	Ref.	Units	ASTM#/ Test Method	C1010(A-A)			
<b>Physical Data</b>							
Average Thickness		Micron	D-374-C	25	30	35	40
		Gauge		100	120	140	160
		Mils		1.0	1.2	1.4	1.6
Thickness Variation		%(±)		3			
Average substance		g/m <sup>2</sup>		22.7	28.2	31.8	36.4
Kinetic COF	A-A		D-1894	0.25-0.30			
Yield		m <sup>2</sup> /Kg	D-4321	44.0	35.5	31.4	27.4
		in <sup>2</sup> /lb		30935	24959	22076	19264
<b>Optical Data</b>							
Gloss (45°)		Gardner	D-2457	>85			
Haze		%	D-1003	2.0-3.5			
<b>Mechanical Data</b>							
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	1200-1500			
	TD			2400-2800			
Elongation	MD	%	D-882	140-180			
	TD			40-80			
<b>Thermal Data</b>							
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	2.0-4.0			
	TD			1.0-3.0			
Seal Initiation Temperature		°C / °F	CTM	90/194			
Heat Seal Strength (min.)	A-A	g/25 mm	CTM	500	525	550	575
Hot Tack	A-A	g/25 mm	ASTM F-1921	300	350	350	350
<b>Barrier Data</b>							
MVTR (38°C, 90% RH)		g/m <sup>2</sup> /day	F-1249	<5.0	<5.0	<5.0	<5.0
MVTR (100 °F,90%RH)		g/100 in <sup>2</sup> /day	F-1249	<0.32	<0.32	<0.32	<0.32

CTM : Cosmo Test Method

MD : Machine Direction

TD : Transverse Direction

**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.

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