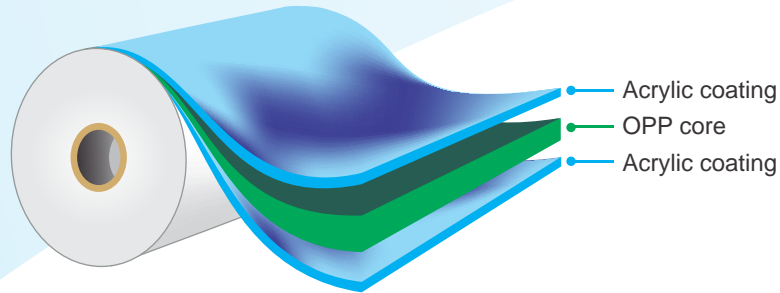


# Functionally Modified Clear Film

## 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

### 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
Thickness Variation		% (±)		3			
Average Substance		g/m <sup>2</sup>		22.7	28.2	31.67	36.2
Kinetic COF	A-A		D-1894	0.30			
Yield		m <sup>2</sup> /kg	D-4321	44.0	35.5	31.57	27.62
<b>Optical Data</b>							
Gloss (45 °)		gardner	D-2457	90 - 95			
Haze		%	D-1003	1.2 - 1.7			
<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, 5 min.)	MD	%	D-1204	2 - 4			
	TD			1 - 3			
Heat Seal Range (2.5 bar-0.5 s-bar seal)	A	°C	CTM	50			
Heat Seal Strength (130 °C-2.0 bar-0.5 s-bar seal)	A-A	g/25mm	CTM	500	550	550	550
<b>Barrier Data</b>							
MVTR ( 38°C, 90%RH)		g/m <sup>2</sup> /24h	F-1249	5.0	5.0	5.0	5.0
OTR ( 23°C, 0%RH)		cc/m <sup>2</sup> /24h	D-3985	850	750	650	600

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.

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