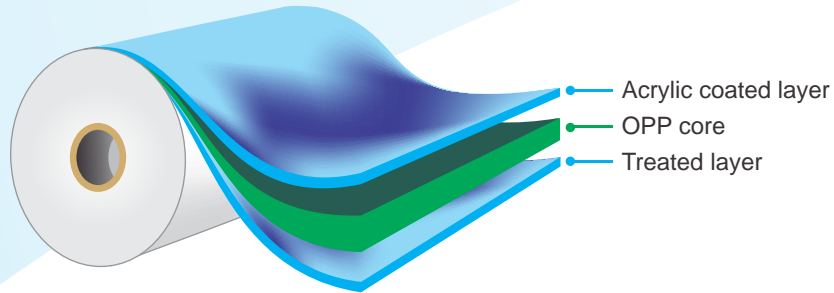


# Functionally Modified Clear Film

## C1013 (A)

### Structure



### Description

One side acrylic coated and other side treated  
Bi-axially Oriented Polypropylene film

### Features

- Excellent machinability
- Good gloss and transparency
- Low seal threshold
- Broad seal range on acrylic coated surface
- Excellent hot tack on acrylic coated surface
- Good aroma barrier
- High seal strength
- Printable with water based inks
- Humidity resistance
- Solvent free coatings
- Excellent dimensional stability and stiffness

### Applications

- Food packaging and overwrapping

### Typical Values

Properties	Ref.	Units	Astm # / Test Method	C1013 (A)			
<b>Physical Data</b>							
Average Thickness		micron	D-374-C	26	31	34	39
Thickness Variation		%(±)		3			
Average Substance		g/m <sup>2</sup>		23.82	28.35	30.86	34.70
Kinetic COF	UT/UT		D-1894	0.25 - 0.35			
Yield		m <sup>2</sup> /kg	D-4321	41.98	35.27	32.40	28.80
<b>Optical Data</b>							
Gloss (45 °)	A	gardner	D-2457	92 - 98			
Haze		%	D-1003	2.0 - 3.0			
<b>Mechanical Data</b>							
Tensile Strength	MD	kg / cm <sup>2</sup>	D-882	1200 - 1500			
	TD			2500 - 2800			
Elongation	MD	%	D-882	150 - 190			
	TD			40 - 70			
<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	g/25mm	CTM	> 350			

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction UT : Untreated Side

**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.